

SONY®

User guide

Xperia™ E4g
E2003/E2006/E2053

Contents

Getting started.....	6
About this User guide.....	6
Device Overview.....	6
Assembly.....	7
Starting your device for the first time.....	9
Why do I need a Google™ account?.....	10
Charging your device.....	10
Learning the basics.....	12
Using the touchscreen.....	12
Locking and unlocking the screen.....	14
Home screen.....	14
Application screen.....	16
Navigating applications.....	17
Small apps.....	17
Widgets.....	18
Shortcuts and folders.....	19
Background and themes.....	20
Taking a screenshot.....	21
Status and notifications.....	21
Icons in the status bar.....	22
Application overview.....	24
Downloading applications.....	26
Downloading applications from Google Play™.....	26
Downloading applications from other sources.....	26
Internet and networks.....	27
Browsing the web.....	27
Internet and MMS settings	27
Wi-Fi®.....	28
Sharing your mobile data connection.....	30
Controlling data usage.....	30
Selecting mobile networks.....	31
Virtual private networks (VPNs).....	32
Synchronizing data on your device.....	33
Synchronizing with online accounts.....	33
Synchronizing with Microsoft® Exchange ActiveSync®.....	33
Synchronizing with Outlook® using a computer.....	34
Basic settings.....	36
Accessing settings.....	36
Sound, ringtone, and volume.....	36

SIM card protection.....	37
Screen settings.....	38
Daydream.....	38
Screen lock.....	39
Language settings.....	40
Date and time.....	41
Enhancing the sound output.....	41
Typing text.....	43
On-screen keyboard.....	43
Phonepad.....	44
Entering text using voice input.....	45
Editing text.....	45
Personalizing the Xperia keyboard.....	46
Calling.....	47
Making calls.....	47
Receiving calls.....	48
Ongoing calls.....	49
Using the call log.....	50
Forwarding calls.....	50
Restricting calls.....	51
Multiple calls.....	51
Conference calls.....	52
Voicemail.....	52
Emergency calls.....	53
Contacts.....	54
Transferring contacts.....	54
Searching and viewing contacts.....	55
Adding and editing contacts.....	56
Adding medical and emergency contact information.....	57
Favorites and groups.....	58
Sending contact information.....	59
Avoiding duplicate entries in the Contacts application.....	59
Backing up contacts.....	59
Messaging and chat.....	60
Reading and sending messages.....	60
Organizing your messages.....	61
Calling from a message.....	62
Messaging settings.....	62
Instant messaging and video chat.....	62
Email.....	63
Setting up email.....	63
Sending and receiving email messages.....	63

Email preview pane.....	64
Organizing your email messages.....	65
Email account settings.....	65
Gmail™.....	66
Music.....	67
Transferring music to your device.....	67
Listening to music.....	67
Walkman® homescreen menu.....	68
Playlists.....	69
Sharing music.....	70
Enhancing the sound.....	70
Visualizer	70
Recognizing music with TrackID™.....	71
FM radio.....	73
Listening to the radio.....	73
Favorite radio channels.....	74
Sound settings.....	74
Camera.....	75
Taking photos and recording videos.....	75
Face detection.....	76
Using Smile Shutter™ to capture smiling faces.....	76
Adding the geographical position to your photos.....	77
General camera settings.....	77
Still camera settings.....	81
Video camera settings.....	84
Photos and videos in Album.....	88
Viewing photos and videos.....	88
Sharing and managing photos and videos.....	89
Editing photos with the Photo editor application.....	90
Editing videos with the Movie Creator application.....	91
Hiding photos and videos.....	91
Album homescreen menu.....	91
Viewing your photos on a map.....	92
Videos.....	94
Watching videos in the Movies application.....	94
Transferring video content to your device.....	95
Managing video content.....	95
Connectivity.....	96
Mirroring the screen of your device wirelessly on a TV.....	96
Sharing content with DLNA Certified™ devices.....	96
Bluetooth® wireless technology.....	99

Smart apps and features that save you time.....	102
Controlling accessories and settings with Smart Connect.....	102
Travel and maps.....	104
Using location services.....	104
Google Maps™ and navigation.....	104
Using data traffic when traveling.....	106
Airplane mode.....	106
Calendar and alarm clock.....	107
Calendar.....	107
Alarm and clock.....	108
Support and maintenance.....	110
Support for your device.....	110
Computer tools.....	110
Updating your device.....	111
Finding a lost device	112
Finding the identification number of your device.....	113
Battery and power management.....	113
Memory and storage.....	115
Managing files using a computer.....	116
Backing up and restoring content.....	117
Running diagnostic tests on your device.....	119
Restarting and resetting.....	120
Recycling your device.....	121
Limitations to services and features.....	121
Legal information.....	121

Getting started

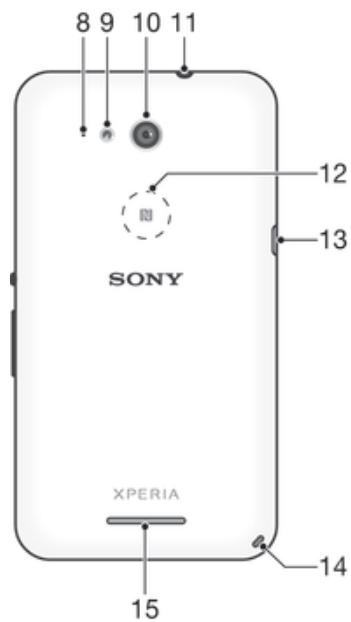
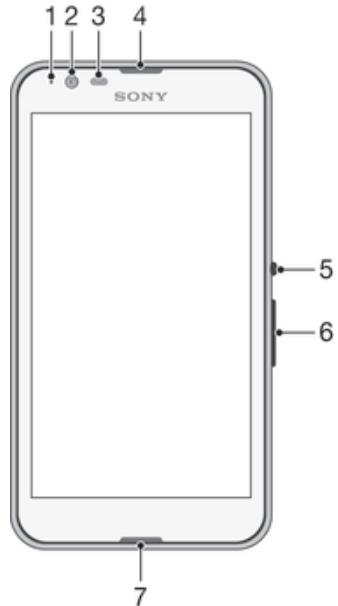
About this User guide

This is the **Xperia™ E4g** User guide for the **Android™ 4.4.4** software version. If you're not sure which software version your device is running, you can check it via the Settings menu. For more information about software updates, see *Updating your device* on page 111.

To check the current software version of your device

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > About phone > Android version**.

Device Overview



1. Charging/Notification light	9. Camera light
2. Front camera lens	10. Main camera lens
3. Proximity/Light sensor	11. Headset jack
4. Ear speaker	12. NFC™ detection area
5. Power key	13. Port for charger/USB cable
6. Volume/Zoom key	14. Strap hole
7. Main microphone	15. Loudspeaker
8. Second microphone	

! NFC is not available in all markets.

Assembly

A protective plastic sheet is attached to the screen. You should peel off this sheet before using the touchscreen. Otherwise, the touchscreen might not function properly.

To remove the back cover



- Insert a fingernail into the gap (as shown in the illustration) and lift up the cover.

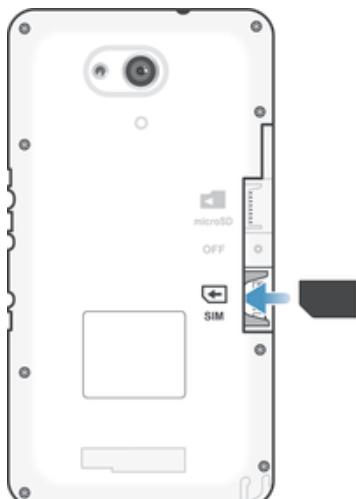
To attach the back cover



- Place the back cover over the back of the device, then press down on the bottom corners to lock them into place.
- Moving from bottom to top, press down the sides of the cover until the cover clicks into place.

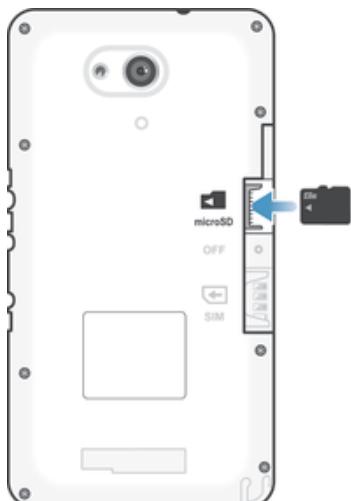
To insert the micro SIM card

! If you insert a micro SIM card while the device is powered on, the device restarts automatically.



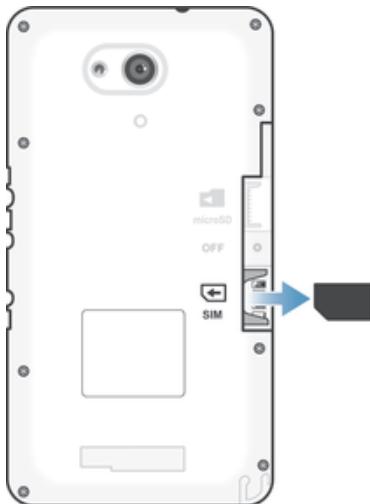
- Remove the back cover, then insert the micro SIM card into its slot with the gold-colored contacts facing down.
- ! You must use a micro SIM card for your device to work correctly. Some standard-size SIM cards allow you to detach an integrated micro SIM card. Once you detach the micro SIM card from the standard-size SIM card, you cannot reattach it and use the standard-size SIM card again. If you do not have a micro SIM card, or if your current SIM card does not contain a detachable micro SIM card, contact your service provider for information on how to collect or exchange your SIM card.

To insert a memory card



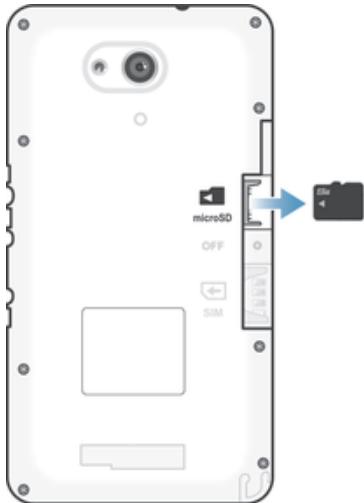
- 1 Remove the back cover.
- 2 Insert the memory card into the memory card slot, with the gold-colored contacts facing down.

To remove the micro SIM card



- 1 Detach the back cover.
- 2 Drag out the micro SIM card from its slot and remove it fully.

To remove the memory card



- 1 Turn off the phone, or unmount the memory card from **Settings > Storage > Unmount SD card**.
- 2 Remove the back cover, then draw the memory card outward to remove it.

Starting your device for the first time

The first time you start your device, a setup guide opens to help you configure basic settings, sign in to online accounts, and personalize your device. For example, if you have a Sony Entertainment Network account, you can sign in to it here and get set up straight away.

- 💡 You can also access the setup guide later from the Settings menu.

To turn on the device

- ! Make sure the battery is charged for at least 30 minutes before you turn on the device for the first time.



- 1 Press and hold down the power key  until the device vibrates.
- 2 Enter your SIM card PIN when requested, then tap .
- 3 Wait a while for the device to start.

 Your SIM card PIN is initially supplied by your service provider, but you can change it later from the Settings menu. To correct a mistake made while entering your SIM card PIN, tap .

To turn off the device

- 1 Press and hold down the power key  until the options menu opens.
- 2 In the options menu, tap **Power off**.
- 3 Tap **OK**.

 It may take a while for the device to shut down.

Why do I need a Google™ account?

Your Xperia™ device from Sony runs on the Android™ platform developed by Google™. A range of Google™ applications and services is available on your device when you purchase it, for example, Gmail™, Google Maps™, YouTube™, and Google Play™—the online store for downloading Android™ applications. To get the most out of these services, you need a Google™ account. For example, a Google™ account is mandatory if you want to:

- Download and install applications from Google Play™.
- Synchronize email, contacts, and the calendar.
- Chat with friends using the Hangouts™ application.
- Synchronize your browsing history and bookmarks.

For more information about Android™ and Google™, go to www.sonymobile.com/support.

To set up a Google™ account on your device

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Add account > Google**.
- 3 Follow the registration wizard to create a Google™ account, or sign in if you already have an account.

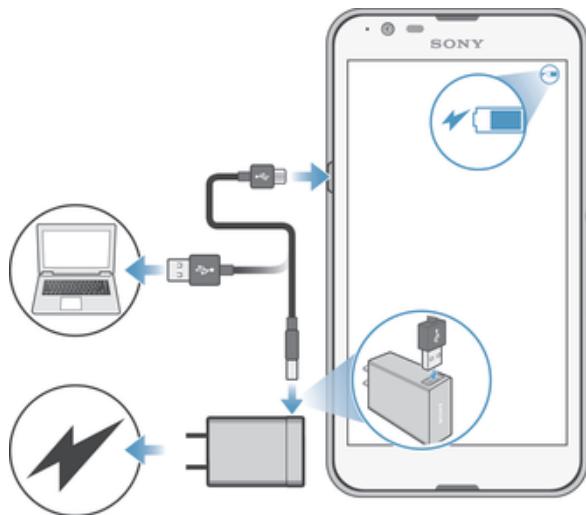
 You can also sign in to or create a Google™ account from the setup guide the first time you start your device. Or you can go online and create an account at www.google.com/accounts.

Charging your device

Your device has an embedded, rechargeable battery that should be replaced only by Sony or an authorized Sony repair center. You should never try to open or take apart this device yourself. Opening the device can cause damage that will void your warranty.

The battery is partly charged when the device is shipped from the factory. Depending on how long it has been in the box before you purchased it, the battery level may be quite low. It is therefore recommended that you charge the battery for at least 30 minutes before starting up your device for the first time. You can still use your device while it is charging. Read more about the battery and how to improve the performance in *Battery and power management* on page 113.

To charge your device



- 1 Plug the charger into a power outlet.
- 2 Plug one end of the USB cable into the charger (or into the USB port of a computer).
- 3 Plug the other end of the cable into the micro USB port on your device, with the USB symbol facing up. The notification light illuminates when charging begins.
- 4 When the device is fully charged, disconnect the cable from your device by pulling it straight outward. Make sure not to bend the connector.

💡 If the battery is completely discharged, it may take a few minutes before the notification light illuminates and the charging icon  appears.

Battery notification light status

Green	The battery charge level is greater than 90%
Flashing red	The battery is charging and the battery charge level is less than 15%
Orange	The battery is charging and the battery charge level is less than 90%

Learning the basics

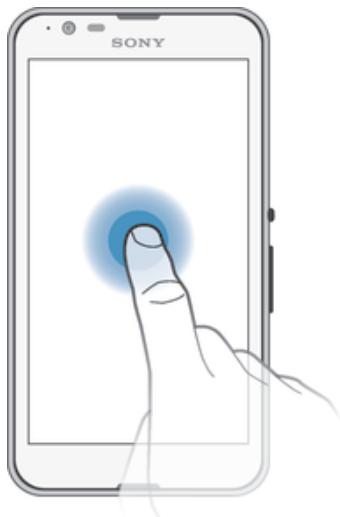
Using the touchscreen

Tapping



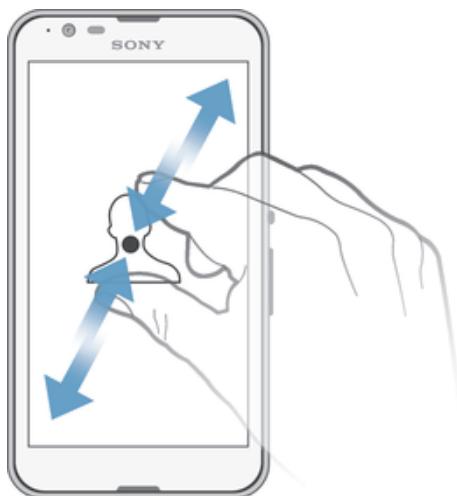
- Open or select an item.
- Mark or unmark a checkbox or option.
- Enter text using the on-screen keyboard.

Touching and holding



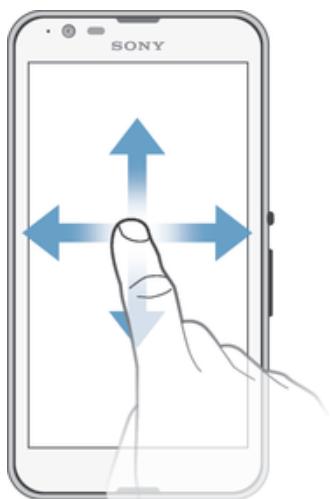
- Move an item.
- Activate an item-specific menu.
- Activate selection mode, for example, to select several items from a list.

Pinching and spreading



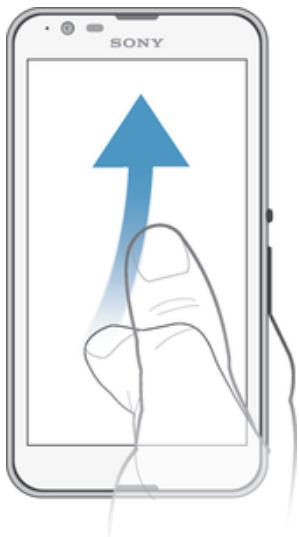
- Zoom in or out on a web page, a photo, or a map.

Swiping



- Scroll up or down a list.
- Scroll left or right, for example, between Home screen panes.

Flicking



- Scroll quickly, for example, in a list or on a web page. You can stop the scrolling movement by tapping the screen.

Locking and unlocking the screen

When your device is on and left idle for a set period of time, the screen darkens to save battery power and locks automatically. This lock prevents unwanted actions on the touchscreen when you are not using it. When you buy your device, a basic screen swipe lock is already set. In other words, you have to swipe up or down on the screen to unlock it. You can later change the security settings and add other kinds of locks. See *Screen lock* on the 39page.



To activate the screen

- Briefly press the power key .

To lock the screen

- When the screen is active, briefly press the power key .

Home screen

The Homescreen is the starting point for using your device. It's similar to the desktop on a computer screen. Your Home screen can have up to seven panes, which extend beyond the regular screen display width. The number of Home screen panes is represented by a series of dots at the lower part of the Home screen. The highlighted dot shows the pane that you are currently in.



To go to the Home screen

- Press .

To browse the Home screen



Home screen panes

You can add new panes to your Home screen (up to a maximum of seven panes) and delete panes. You can also set the pane that you want to use as the main Home screen pane.



To set a pane as the main Home screen pane

- 1 Touch and hold an empty area on your Homescreen until the device vibrates.
- 2 Flick left or right to browse to the pane that you want to set as your main Home screen pane, then tap  at the top corner of the pane.

To add a pane to your Home screen

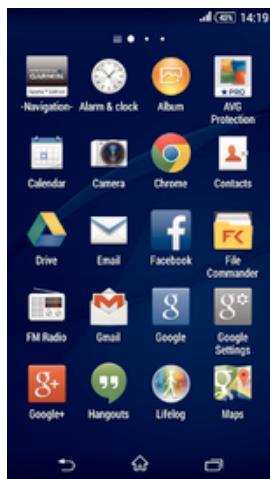
- 1 Touch and hold an empty area on your Homescreen until the device vibrates.
- 2 Flick left or right to browse the panes, then tap .

To delete a pane from your Home screen

- 1 Touch and hold an empty area on your Homescreen until the device vibrates.
- 2 Flick left or right to browse to the pane that you want to delete, then tap .

Application screen

The Application screen, which you open from the Homescreen, contains the applications that come pre-installed on your device as well as applications that you download.



To view all applications on the Application screen

- 1 From your Home screen, tap .
- 2 Flick left or right on the Application screen.

To open an application from the Application screen

- Flick left or right to find the application, then tap the application.

To open the Application screen menu

- When the Application screen is open, drag the left edge of the screen to the right.

To move an application on the Application screen

- 1 To open the Application screen menu, drag the left edge of the Application screen to the right.
- 2 Make sure **Own order** is selected under **SHOW APPS**.
- 3 Touch and hold the application until it magnifies and the device vibrates, then drag it to the new location.

To add an application shortcut to the Home screen

- 1 From the Application screen, touch and hold an application icon until the screen vibrates, then drag the icon to the top of the screen. The Home screen opens.
- 2 Drag the icon to the desired location on the Home screen, then release your finger.

To arrange applications on the Application screen

- 1 To open the Application screen menu, drag the left edge of the Application screen to the right.
- 2 Select the desired option under **SHOW APPS**.

To search for an application from the Application screen

- 1 To open the Application screen menu, drag the left edge of the Application screen to the right.
- 2 Tap **Search apps**.
- 3 Enter the name of the application you want to search for.

To uninstall an application from the Application screen

- 1 To open the Application screen menu, drag the left edge of the Application screen to the right.
- 2 Tap **Uninstall**. All uninstallable applications are indicated by **X**.
- 3 Tap the application that you want to uninstall, then tap **Uninstall**.

Navigating applications

You can navigate between applications using the navigation keys, the favorites bar, and the recently used applications window, which lets you switch easily between all recently used applications. Some applications are closed when you press  to exit while others are paused or continue to run in the background. If the application is paused or runs in the background, you can continue where you left off the next time you open the application.



- 1 Recently used applications window – Open a recently used application
- 2 Favorites bar – Use a shortcut to access applications or widgets
- 3 Task navigation key – Open the recently used applications window and the favorites bar
- 4 Home navigation key – Exit an application and go back to the Homescreen
- 5 Back navigation key – Go back to the previous screen within an application or close the application

To open the recently used applications window

- Press .

To close all the recently used applications

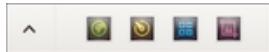
- Tap  and then tap **Close all**.

To open a menu in an application

- While using the application, press .
- ! A menu is not available in all applications.

Small apps

Small apps are miniature apps that run on top of other applications on the same screen, to enable multi-tasking. For example, you can have a webpage open showing details of currency exchange rates, and then open the Calculator small app on top of it and perform calculations. You can access your small apps via the favorites bar. To download more small apps, go to Google Play™.



To open a small app

- 1 To make the favorites bar appear, press □.
- 2 Tap the small app that you want to open.

 You can open several small apps at the same time.

To close a small app

- Tap  on the small app window.

To download a small app

- 1 From the favorites bar, tap  , then tap  and tap .
- 2 Search for the small app that you want to download, then follow the instructions to download it and complete the installation.

To move a small app

- When the small app is open, touch and hold the top left corner of the small app, then move it to the desired location.

To minimize a small app

- When the small app is open, touch and hold the top left corner of the small app, then drag it to the right edge or to the bottom edge of the screen.

To rearrange the small apps in the favorites bar

- Touch and hold a small app and drag it to the desired position.

To remove a small app from the favorites bar

- 1 Touch and hold a small app, then drag it to .
- 2 Tap **OK**.

To restore a previously removed small app

- 1 Open the favorites bar, then tap .
- 2 Touch and hold the small app you want to restore, then drag it into the favorites bar.

To add a widget as a small app

- 1 To make the favorites bar appear, press □.
- 2 Tap  >  > .
- 3 Select a widget.
- 4 Enter a name for the widget, if desired, then tap **OK**.

Widgets

Widgets are small applications that you can use directly on your Homescreen. They also function as shortcuts. For example, the Weather widget allows you to see basic weather information directly on your Homescreen. But when you tap the widget, the full Weather application opens. You can download additional widgets from Google Play™.



To add a widget to the Home screen

- 1 Touch and hold an empty area on your Homescreen until the device vibrates, then tap **Widgets**.
- 2 Find and tap the widget that you want to add.

To resize a widget

- 1 Touch and hold a widget until it magnifies and the device vibrates, then release the widget. If the widget can be resized, for example, the Calendar widget, then a highlighted frame and resizing dots appear.
- 2 Drag the dots inward or outward to shrink or expand the widget.
- 3 To confirm the new size of the widget, tap anywhere on the Homescreen.

To move a widget

- Touch and hold the widget until it magnifies and the device vibrates, then drag it to the new location.

To remove a widget

- Touch and hold the widget until it magnifies and the device vibrates, then drag it to **X** on the top of the screen.

Shortcuts and folders

Use shortcuts and folders to manage your applications and keep your Home screen tidy.



1 Access an application using a shortcut

2 Access a folder containing applications

To add an application shortcut to your Home screen

- 1 Touch and hold an empty area on your Homescreen until the device vibrates and the customization menu appears.
- 2 In the customization menu, tap **Apps**.
- 3 Scroll through the list of applications and select an application. The selected application gets added to the Homescreen.

💡 In step 3, alternatively, you can tap **Shortcuts** and then select an application from the list available. If you use this method to add shortcuts, some of the applications available allow you to add specific functionality to the shortcut.

To move an item on the Home screen

- Touch and hold the item until it magnifies and the device vibrates, then drag the item to the new location.

To remove an item from the Homescreen

- Touch and hold an item until it magnifies and the device vibrates, then drag the item to **X** on the top of the screen.

To create a folder on the Home screen

- Touch and hold an application icon or a shortcut until it magnifies and the device vibrates, then drag and drop it on top of another application icon or shortcut.

To add items to a folder on the Home screen

- Touch and hold an item until it magnifies and the device vibrates, then drag the item to the folder.

To rename a folder on the Home screen

- 1 Tap the folder to open it.
- 2 Tap the folder's title bar to show the **Folder name** field.
- 3 Enter the new folder name and tap **Done**.

Background and themes

You can adapt the Home screen to your own style using wallpapers and different themes. You can also change the wallpaper on the lock screen.



To change your Home screen wallpaper

- 1 Touch and hold an empty area on your Homescreen until the device vibrates.
- 2 Tap **Wallpapers** and select an option.

To set a theme

- 1 Touch and hold an empty area on your Homescreen until the device vibrates.
- 2 Tap **Themes**.
- 3 Select an option and follow the instructions in your device.

! When you change a theme, the background also changes in some applications.

To change the wallpaper for the lockscreen

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Personalization > Lock screen**.
- 3 Select an option, then follow the instructions to change your wallpaper.

Taking a screenshot

You can capture still images of any screen on your device as a screenshot. Screenshots you take are automatically saved in Album.

To take a screenshot

- 1 Press and hold down the power key until a prompt window appears.
- 2 Tap .

💡 You can also take the screenshot by pressing the power key and volume down key at the same time until you hear a clicking sound.

To view your screenshot

- Drag the status bar fully downwards, then tap the screenshot you want to view.
- 💡 You can also view your screenshots by opening the Album application.

Status and notifications

The icons in the status bar inform you of events such as new messages and calendar notifications, activities in progress such as file downloads, and status information such as battery level and signal strength. You can drag down the status bar to open the Notification panel and handle your notifications. You can also customize the icons and notifications by selecting which system icons to display in the status bar and selecting apps that are allowed to send notifications.

To open or close the Notification panel



To take action on a notification

- Tap the notification.

To dismiss a notification from the Notification panel

- Place your finger on a notification and flick left or right.

To clear all notifications from the Notification panel

- Tap **Clear**.

Notification light

The notification light informs you about battery status and some other events. For example, a flashing white light means there is a new message or a missed call.



Icons in the status bar

Status icons

	Signal strength
	No signal
	Roaming
	LTE is available
	GPRS is available
	EDGE is available
	3G is available
	Mobile data network is available
	Sending and downloading LTE data
	Sending and downloading GPRS data
	Sending and downloading EDGE data
	Sending and downloading 3G data
	Sending and downloading mobile data
	Battery status
	The battery is charging
	STAMINA mode is activated
	Low battery mode is activated
	Airplane mode is activated
	The Bluetooth® function is activated
	The SIM card is not inserted
	The microphone is muted
	The speakerphone is on
	Silent mode
	Vibrate mode

-  An alarm is set
-  GPS is activated
-  Synchronization is ongoing
-  Problem with sign-in or synchronization

- ! Depending on your service provider, network and/or region, the functions or services represented by some icons in this list may not be available.

To manage status bar icons

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Personalization > Status bar icons**.
- 3 Mark the checkboxes for the system icons that you want to appear in the status bar.

Notification icons

-  New text message or multimedia message
-  Missed call
-  Call ongoing
-  Call forwarding is turned on
-  New voicemail message
-  New email message
-  A Wi-Fi® connection is enabled and data is being transmitted
-  Downloading data
-  Uploading data
-  Mobile data is disabled
-  A software update is available
-  System updates are available
-  Downloading system updates
-  Tap to install the downloaded system updates
-  Screenshot captured
-  A new Hangouts™ chat message has arrived
-  Video chat with friends using the Hangouts™ application
-  Upcoming calendar event
-  A small app is running
-  Smart Connect is activated
-  A song is playing
-  The radio is playing
-  The device is connected to a computer via a USB cable
-  Internal storage is 75% full. Tap to transfer data to the memory card
-  Warning message



Error message



More (undisplayed) notifications

- ! Not all icons that may appear on your device are listed here. These icons are for reference purposes only, and changes may be made without notice.

To manage notifications

- 1 From your Homescreen, tap
- 2 Find and tap **Settings > Personalization > Manage notifications**.
- 3 Mark the checkboxes for the apps that are allowed to send notifications.

Application overview

- Use the Alarm and clock application to set various kinds of alarms.
- Use your web browser to navigate and view web pages and manage bookmarks, text and images.
- Use the Calculator application to perform basic calculations.
- Use the Calendar application to keep track of events and manage your appointments.
- Use the camera to take photos and record video clips.
- Use the Contacts application to manage phone numbers, email addresses, and other information related to your contacts.
- Access your downloaded applications, documents and pictures.
- Use the Email application to send and receive emails through both private and corporate accounts.
- Use the Facebook™ application to engage in social networking with friends, family members, and coworkers around the world.
- Browse and listen to FM radio stations.
- Use the Album application to view and work with your photos and videos.
- Use the Gmail™ application to read, write, and organize email messages.
- Search for information in your device and on the web.
- View your current location, find other locations, and calculate routes using Google Maps™.
- Go to Google Play™ to download free and paid applications for your device.
- Use the Messaging application to send and receive text and multimedia messages.
- Use the Movies application to play videos on your device and share content with your friends.
- Use the Walkman® application to organize and play music, audio books, and podcasts.
- View news stories and weather forecasts.
- Make phone calls by dialing the number manually, or by using the smart dial function.
- Optimize settings to suit your own requirements.

-  Use the Hangouts™ application to chat with friends online.
-  Identify music tracks that you hear playing in your surroundings, and get artist, album, and other info.
-  Use YouTube™ to share and view videos from around the world.
-  Use the Support application to access user support in the device. For example, you can access a User guide, troubleshooting information, plus tips and tricks.
-  Download and install new applications and updates.

! Some applications are not supported or listed by all networks and/or service providers in all areas.

Downloading applications

Downloading applications from Google Play™

Google Play™ is the official online Google store for downloading applications, games, music, movies, and books. It includes both free and paid applications. Before you start downloading from Google Play™, make sure that you have a working Internet connection, preferably over Wi-Fi® to limit data traffic charges.

- ! To use Google Play™, you need to have a Google™ account. Google Play™ may not be available in all countries or regions.

To download an application from Google Play™

- 1 From the Homescreen, tap .
- 2 Find and tap **Play Store**.
- 3 Find an item you wish to download by browsing categories, or by using the search function.
- 4 Tap the item to view its details, and follow the instructions to complete the installation.

- ! Some applications may need to access data, settings, and various functions on your device in order to work properly. Only install and give permissions to applications you trust.
- 💡 You can view the permissions granted to a downloaded application by tapping the application under **Settings > Apps**.

Downloading applications from other sources

When your device is set to allow downloads from sources other than Google Play™, you can download applications directly from other websites by following the relevant download instructions.

- ! Installing applications of unknown or unreliable origin can damage your device. Only download applications from reliable sources. Contact the application provider if you have any questions or concerns.

To allow the download of applications from other sources

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Security**.
- 3 Mark the **Unknown sources** checkbox.
- 4 Tap **OK**.

- ! Some applications may need to access data, settings, and various functions on your device in order to work properly. Only install and give permissions to applications you trust.
- 💡 You can view the permissions granted to a downloaded application by tapping the application under **Settings > Apps**.

Internet and networks

Browsing the web

The Google Chrome™ web browser for Android™ devices comes pre-installed in most markets. Go to <http://support.google.com/chrome> and click the "Chrome for Mobile" link to get more detailed information about how to use this web browser.

To browse with Google Chrome™

- 1 From your Homescreen, tap .
- 2 Find and tap .
- 3 If you are using Google Chrome™ for the first time, select to either sign in to a Google™ account or browse with Google Chrome™ anonymously.
- 4 Enter a search term or web address in the search and address field, then tap **Go** on the keyboard.

Internet and MMS settings

To send multimedia messages, or to access the Internet when there is no available Wi-Fi® network, you must have a working mobile data connection with the correct Internet and MMS (Multimedia Messaging Service) settings. Here are some tips:

- For most mobile networks and operators, Internet and MMS settings come pre-installed on your device. You can then start using the Internet and send multimedia messages right away.
- In some cases, you get the option to download Internet and MMS settings the first time you turn on your device when a SIM card is inserted. It is also possible to download these settings later from the Settings menu.
- You can manually add, change or delete Internet and MMS settings on your device at any time. If you change or delete an Internet or MMS setting by mistake, download the Internet and MMS settings again.
- If you cannot access the Internet over a mobile network or if multimedia messaging is not working, even though the Internet and MMS settings have been downloaded successfully to your device, refer to the troubleshooting tips for your device at www.sonymobile.com/support/ for network coverage, mobile data, and MMS issues.
- ! If STAMINA mode is activated to save power, all mobile data traffic gets paused when the screen is off. If this causes connection problems, try excluding some applications and services from being paused, or deactivate STAMINA mode temporarily. For more information, see *STAMINA mode feature overview* on page 114.

To download Internet and MMS settings

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > More... > Internet settings**.
- 3 Tap **Accept**. Once the settings have been downloaded successfully,  appears in the status bar and mobile data is turned on automatically.

! If the settings cannot be downloaded to your device, check the signal strength of your mobile network. Move to an open location free from obstructions or get close to a window and then try again.

To check whether mobile data is turned on or off

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > More... > Mobile networks**.
- 3 Check whether the **Cellular data traffic** checkbox is marked or not.

To add Internet and MMS settings manually

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings** > **More...** > **Mobile networks**.
- 3 Tap **Access Point Names** > .
- 4 Tap **Name** and enter a name as desired.
- 5 Tap **APN** and enter the access point name.
- 6 Enter all other information as required. If you don't know what information is required, contact your network operator for more details.
- 7 When you're done, tap , then tap **Save**.
- 8 To select the APN that you have just added, tap the radio button beside the name of the APN. Once selected, this APN becomes the default APN for Internet and MMS services.

To view the downloaded Internet and MMS settings

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings** > **More...** > **Mobile networks**.
- 3 Tap **Access Point Names**.
- 4 To view more details, tap any of the available items.

! If you have several available connections, the active network connection is indicated by a marked button .

Wi-Fi®

Use Wi-Fi® connections to surf the Internet, download applications, or send and receive email. Once you have connected to a Wi-Fi® network, your device remembers the network and automatically connects to it the next time you come within range.

Some Wi-Fi® networks require you to log in to a web page before you can get access. Contact the relevant Wi-Fi® network administrator for more information.

Available Wi-Fi® networks may be open or secured:

- Open networks are indicated by  next to the Wi-Fi® network name.
- Secured networks are indicated by  next to the Wi-Fi® network name.

 Some Wi-Fi® networks do not show up in the list of available networks because they do not broadcast their network name (SSID). If you know the network name, you can add it manually to your list of available Wi-Fi® networks.

To turn on Wi-Fi®

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings**.
- 3 Drag the slider beside **Wi-Fi** to the right to turn on the Wi-Fi® function.

! It may take a few seconds before Wi-Fi® is enabled.

To connect to a Wi-Fi® network automatically

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings**.
- 3 Tap **Wi-Fi**. All available Wi-Fi® networks are displayed.
- 4 Tap a Wi-Fi® network to connect to it. For secured networks, enter the relevant password.  is displayed in the status bar once you are connected.

 To search for new available networks, tap , then tap **Scan**. If you cannot connect to a Wi-Fi network successfully, refer to the relevant troubleshooting tips for your device at www.sonymobile.com/support/.

To add a Wi-Fi® network manually

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings** > **Wi-Fi**.
- 3 Tap .
- 4 Enter the **Network name (SSID)** information.
- 5 To select a security type, tap the **Security** field.
- 6 If required, enter a password.
- 7 To edit some advanced options such as proxy and IP settings, mark the **Show advanced options** checkbox and then edit as desired.
- 8 Tap **Save**.

! Contact your Wi-Fi® network administrator to get the network SSID and password.

Increasing Wi-Fi® signal strength

There are a number of things you can do to increase the strength of a Wi-Fi® signal:

- Move your device closer to the Wi-Fi® access point.
- Move the Wi-Fi® access point away from any potential obstructions or interference.
- Don't cover the Wi-Fi® antenna area of your device (the highlighted area in the illustration).



Wi-Fi® settings

When you are connected to a Wi-Fi® network or when there are Wi-Fi® networks available in your vicinity, it is possible to view the status of these networks. You can also enable your device to notify you whenever an open Wi-Fi® network is detected.

If you are not connected to a Wi-Fi® network, your device uses a cellular data connection to access the Internet (if you have set up and enabled a cellular data connection on your device). By adding a Wi-Fi® sleep policy, you can specify when to switch from Wi-Fi® to cellular data.

To enable Wi-Fi® network notifications

- 1 Turn on Wi-Fi®, if it is not already on.
- 2 From your Homescreen, tap .
- 3 Find and tap **Settings** > **Wi-Fi**.
- 4 Press .
- 5 Tap **Advanced**.
- 6 Mark the **Network notification** checkbox.

To view detailed information about a connected Wi-Fi® network

- 1 From the Homescreen, tap .
- 2 Find and tap **Settings** > **Wi-Fi**.
- 3 Tap the Wi-Fi® network that you are currently connected to. Detailed network information is displayed.

To add a Wi-Fi® sleep policy

- 1 From the Homescreen, tap .
- 2 Find and tap **Settings > Wi-Fi**.
- 3 Tap , then tap **Advanced > Keep Wi-Fi on during sleep**.
- 4 Select an option.

Sharing your mobile data connection

You can share your device's mobile data connection with a single computer using a USB cable. This process is called USB tethering. You can also share your device's data connection with up to eight other devices at once by turning your device into a portable Wi-Fi® hotspot. When your device's mobile data connection is successfully shared, the sharing devices can use your device's data connection, for example, to surf the Internet, download applications, or send and receive emails.

 You may need to prepare your computer to establish a network connection via USB cable. Go to www.android.com/tether to get the most current information.

To share your data connection using a USB cable

- 1 Deactivate all USB cable connections to your device.
- 2 Using the USB cable that came with your device, connect your device to a computer.
- 3 From your Homescreen, tap .
- 4 Find and tap **Settings > More... > Tethering & portable hotspot**.
- 5 Mark the **USB tethering** checkbox, then tap **OK** if prompted.  is displayed in the status bar once you are connected.
- 6 To stop sharing your data connection, unmark the **USB tethering** checkbox or disconnect the USB cable.

 You cannot share your device's data connection and SD card over a USB cable at the same time.

To use your device as a portable Wi-Fi® hotspot

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > More... > Tethering & portable hotspot**.
- 3 Tap **Portable Wi-Fi hotspot settings > Configure Wi-Fi hotspot**.
- 4 Enter the **Network name (SSID)** information.
- 5 To select a security type, tap the **Security** field. If required, enter a password.
- 6 Tap **Save**.
- 7 Tap  and mark the **Portable Wi-Fi hotspot** checkbox.
- 8 If prompted, tap **OK** to confirm.  appears in the status bar once the portable Wi-Fi® hotspot is active.
- 9 To stop sharing your data connection via Wi-Fi®, unmark the **Portable Wi-Fi hotspot** checkbox.

To rename or secure your portable hotspot

- 1 From the Homescreen, tap .
- 2 Find and tap **Settings > More... > Tethering & portable hotspot**.
- 3 Tap **Portable Wi-Fi hotspot settings > Configure Wi-Fi hotspot**.
- 4 Enter the **Network name (SSID)** for the network.
- 5 To select a security type, tap the **Security** field.
- 6 If required, enter a password.
- 7 Tap **Save**.

Controlling data usage

You can keep track of the amount of data transferred to and from your device over your mobile data or Wi-Fi® connection during a given period. For example, you can view the amount of data used by individual applications. For data transferred over your mobile

data connection, you can also set data usage warnings and limits to avoid additional charges.

- ! Adjusting data usage settings can help you keep greater control over data usage but cannot guarantee the prevention of additional charges.

To turn data traffic on or off

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Data usage**.
- 3 Drag the slider beside **Mobile data traffic** to turn data traffic on or off.

 When data traffic is turned off, your device can still establish Wi-Fi® and Bluetooth® connections.

To set a data usage warning

- 1 Make sure cellular data traffic is turned on.
- 2 From your Homescreen, tap .
- 3 Find and tap **Settings > Data usage**.
- 4 To set the warning level, drag the warning line to the desired value. You receive a warning notification when the amount of data traffic approaches the level you set.

To set a cellular data usage limit

- 1 Make sure cellular data traffic is turned on.
- 2 From your Homescreen, tap .
- 3 Find and tap **Settings > Data usage**.
- 4 Mark the **Set mobile data limit** checkbox if it is not marked, then tap **OK**.
- 5 To set the cellular data usage limit, drag the corresponding line to the desired value.

! Once your cellular data usage reaches the set limit, cellular data traffic on your device gets turned off automatically.

To control the cellular data usage of individual applications

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Data usage**.
- 3 Find and tap the desired application.
- 4 Mark the **Restrict background data** checkbox.
- 5 To access more specific settings for the application (if available), tap **View app settings** and make the desired changes.

 The performance of individual applications may be affected if you change the related data usage settings.

To view data transferred via Wi-Fi®

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Data usage**.
- 3 Tap , then mark the **Show Wi-Fi usage** checkbox if it is not marked.
- 4 Tap the **Wi-Fi** tab.

Selecting mobile networks

Your device automatically switches between mobile networks depending on which mobile networks are available where you are. You can also manually set your device to use a particular mobile network mode, for example, LTE, WCDMA or GSM.

To select a network mode

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > More... > Mobile networks**.
- 3 Tap **Network mode**, then select a network mode.

To select another network manually

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > More... > Mobile networks > Service providers**.
- 3 Tap **Search mode**, then select **Select manually**.
- 4 Select a network.

! If you select a network manually, your device will not search for other networks, even if you move out of range of the manually selected network.

To activate automatic network selection

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > More... > Mobile networks > Service providers**.
- 3 Tap **Search mode > Select automatic**.

Virtual private networks (VPNs)

Use your device to connect to virtual private networks (VPNs), which allow you to access resources inside a secured local network from a public network. For example, VPN connections are commonly used by corporations and educational institutions for users who need to access intranets and other internal services when they are outside of the internal network, for example, when they are traveling.

VPN connections can be set up in many ways, depending on the network. Some networks may require you to transfer and install a security certificate on your device. For detailed information about how to set up a connection to your virtual private network, contact the network administrator of your company or organization.

To add a virtual private network

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > More... > VPN**.
- 3 Tap .
- 4 Select the type of VPN to add.
- 5 Enter your VPN settings.
- 6 Tap **Save**.

To connect to a virtual private network

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > More... > VPN**.
- 3 In the list of available networks, tap the VPN you want to connect to.
- 4 Enter the required information.
- 5 Tap **Connect**.

To disconnect from a VPN

- 1 Tap the status bar to open the Notification panel.
- 2 Tap the notification for the VPN connection to turn it off.

Synchronizing data on your device

Synchronizing with online accounts

Synchronize your device with contacts, email, calendar events, and other information from online accounts, for example, email accounts such as Gmail™ and Exchange ActiveSync, Facebook™, Flickr™, and Twitter™. You can synchronize data automatically for all accounts by activating the auto-sync function. Or you can synchronize each account manually.

To set up an online account for synchronization

- 1 From your Homescreen, tap .
- 2 Tap **Settings** > **Add account**, then select the account you want to add.
- 3 Follow the instructions to create an account, or sign in if you already have an account.

To activate the auto-sync function

- 1 From your Homescreen, tap  > **Settings**.
- 2 Drag the slider beside **Auto-sync** to the right.

To synchronize manually with an online account

- 1 From your Homescreen, tap  > **Settings**.
- 2 Under **Accounts**, select the account type, then tap the name of the account you want to synchronize with. A list of items that can be synchronized with the account appears.
- 3 Mark the items you want to synchronize.
- 4 Tap , then tap **Sync now**.

To remove an online account

- 1 From your Homescreen, tap  > **Settings**.
- 2 Under **Accounts**, select the account type, then tap the name of the account you want to remove.
- 3 Tap , then tap **Remove account**.
- 4 Tap **Remove account** again to confirm.

Synchronizing with Microsoft® Exchange ActiveSync®

Using a Microsoft Exchange ActiveSync account, you can access your corporate email messages, calendar appointments, and contacts directly on your device. After setup, you can find your information in the **Mail**, **Calendar**, and **Contacts** applications.

To set up an EAS account for synchronization

- 1 Make sure you have your domain and server details, provided by your corporate network administrator, available.
- 2 From your Homescreen, tap .
- 3 Tap **Settings** > **Add account** > **Exchange ActiveSync**.
- 4 Enter your corporate email address and password.
- 5 Tap **Next**. Your device begins to retrieve your account information. If a failure occurs, enter the domain and server details for your account manually and then tap **Next**.
- 6 Tap **OK** to allow your corporate server to control your device.
- 7 Select what data you want to sync with your device, such as contacts and calendar entries.
- 8 If desired, activate the device administrator to allow your corporate server to control certain security features on your device. For example, you can allow your corporate server to set password rules and set storage encryption.
- 9 When the setup is done, enter a name for the corporate account.

! When you change the login password for an EAS account on your computer, you have to log in again to the EAS account on your device.

To change the settings of an EAS account

- 1 From your Homescreen, tap .
- 2 Tap **Mail**, then tap .
- 3 Tap **Settings** and select an EAS account, then change the settings of the EAS account as desired.

To set a synchronisation interval for an EAS account

- 1 From your Homescreen, tap .
- 2 Tap **Mail**, then tap .
- 3 Tap **Settings** and select an EAS account.
- 4 Tap **Check frequency** > **Check frequency** and select an interval option.

To remove an EAS account

- 1 From your Homescreen, tap  > **Settings**.
- 2 Under **Accounts**, tap **Exchange ActiveSync**, then select the EAS account you want to remove.
- 3 Tap , then tap **Remove account**.
- 4 Tap **Remove account** again to confirm.

Synchronizing with Outlook® using a computer

You can use the Calendar and Contacts applications within the PC Companion and the Sony Bridge for Mac computer programs to synchronize your device with the calendar and contacts from your Outlook account. However, you cannot synchronize any data from your device to your computer.

 For more information on how to install the PC Companion on a PC or the Sony Bridge for Mac application on an Apple® Mac® computer, see *Computer tools* on the 110 page.

To synchronize with your Outlook contacts using a computer

- 1 Be sure that the PC Companion application is installed on the PC or the Sony Bridge for Mac application is installed on the Apple® Mac® computer.
- 2 **Computer:** Open the PC Companion application or the Sony Bridge for Mac application.
- 3 Click **Start** to start the *Contacts* and *Contacts Sync* applications and follow the on-screen instructions to synchronize your device with your Outlook contacts.

To synchronize with your Outlook calendar using a computer

- 1 Be sure that the PC Companion application is installed on the PC or the Sony Bridge for Mac application is installed on the Apple® Mac® computer.
- 2 **Computer:** Open the PC Companion application or the Sony Bridge for Mac application.
- 3 Click **Start** to start the *Calendar* and *Calendar Sync* applications and follow the on-screen instructions to synchronize your device with your Outlook calendar.

Basic settings

Accessing settings

View and change settings for your device from the Settings menu. The Settings menu is accessible from both the Application screen and the Quick settings panel.

To open the device settings menu from the Application screen

- 1 From your Homescreen, tap .
- 2 Tap **Settings**.

To view information about your device

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > About phone**.

To open the Quick settings panel

- Using two fingers, drag the status bar downward.

To select which settings to display on the Quick settings panel

- 1 Using two fingers, drag the status bar downward, then tap **Edit**.
- 2 In the bar at the bottom of the screen, touch and hold the icon for the quick setting that you want to add, then drag and drop it in the upper part of the screen.

To rearrange the Quick settings panel

- 1 Using two fingers, drag the status bar downward, then tap **Edit**.
- 2 Touch and hold an icon, then move it to the desired position.
- 3 Tap **Done**.

Sound, ringtone, and volume

You can adjust the ringtone volume for incoming calls and notifications as well as for music and video playback. You can also set your device to silent mode so that it doesn't ring when you're in a meeting.

To adjust the volume levels

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Sound > Volumes**.
- 3 Drag the volume sliders to the desired positions.

! You can also press the volume key up or down to adjust the ringtone and media playback volume levels, even when the screen is locked.

To set your device to vibrate mode

- Press the volume key down until  appears in the status bar.

To set your device to silent mode

- 1 Press the volume key down until the device vibrates and  appears in the status bar.
- 2 Press the volume key down again.  appears in the status bar.

! Press the volume key up to exit silent mode.

To set your device to vibrate and ring mode

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Sound**.
- 3 Mark the **Vibrate when ringing** checkbox.

To set a ringtone

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Sound > Phone ringtone**.
- 3 Select an option from the list or tap  to select a music file saved to your device.
- 4 To confirm, tap **Done**.

To select the notification sound

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Sound > Notification sound**.
- 3 Select an option from the list or tap  and select a music file that is saved to your device.
- 4 To confirm, tap **Done**.

 Some applications have their own specific notification sounds, which you can select from the application settings.

To enable touch tones

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Sound**.
- 3 Mark the **Dialpad touch tones** and **Touch sounds** checkboxes.

SIM card protection

You can lock and unlock each SIM card that you use in your device with a PIN (Personal Identity Number). When a SIM card is locked, the subscription linked to the card is protected against misuse, meaning that you have to enter a PIN every time you start your device.

If you enter the PIN incorrectly more times than the maximum number of attempts allowed, your SIM card will become blocked. You then need to enter your PUK (Personal Unblocking Key) and a new PIN. Your PIN and PUK are supplied by your network operator.

To set up a SIM card lock

- 1 From the Homescreen, tap .
- 2 Find and tap **Settings > Security > Set up SIM card lock**.
- 3 Mark the **Lock SIM card** checkbox.
- 4 Enter the SIM card PIN and tap **OK**. The SIM card lock is now active and you will be prompted to enter this lock every time you restart the device.

To remove a SIM card lock

- 1 From the Homescreen, tap .
- 2 Find and tap **Settings > Security > Set up SIM card lock**.
- 3 Unmark the **Lock SIM card** checkbox.
- 4 Enter the SIM card PIN and tap **OK**.

To change the SIM card PIN

- 1 From the Homescreen, tap .
- 2 Find and tap **Settings > Security > Set up SIM card lock**.
- 3 Tap **Change SIM PIN**.
- 4 Enter the old SIM card PIN and tap **OK**.
- 5 Enter the new SIM card PIN and tap **OK**.
- 6 Retype the new SIM card PIN and tap **OK**.

To unlock a blocked SIM card using the PUK code

- 1 Enter the PUK code and tap .
- 2 Enter a new PIN code and tap .
- 3 Re-enter the new PIN code and tap .

! If you enter an incorrect PUK code too many times, you need to contact your network operator to get a new SIM card.

Screen settings

To adjust the screen brightness

- 1 From your Home screen, tap .
- 2 Find and tap **Settings > Display > Brightness**.
- 3 Unmark the **Adapt to lighting conditions** checkbox if it is marked.
- 4 Drag the slider to adjust the brightness.

 Lowering the brightness level increases battery performance.

To set the screen to vibrate on touch

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Sound**.
- 3 Mark the **Vibrate on touch** checkbox. The screen now vibrates when you tap soft keys and certain applications.

To adjust the idle time before the screen turns off

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Display > Sleep**.
- 3 Select an option.

 To turn off the screen quickly, briefly press the power key .

Smart backlight control

The smart backlight control keeps the screen on as long as the device is held in your hand. Once you put down the device, the screen turns off according to your sleep setting.

To turn on the Smart backlight control function

- 1 From your Home screen, tap .
- 2 Find and tap **Settings > Display > Smart backlight control**.
- 3 Drag the slider beside **Smart backlight control** to the right.

Daydream

Daydream is an interactive screen saver that automatically displays colors, photos or a slideshow while your device is docked or charging and the screen is idle.

To activate the Daydream screen saver

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Display > Daydream**.
- 3 Drag the slider beside **Daydream** to the right.

To select content for the Daydream screen saver

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Display > Daydream**.
- 3 Drag the slider beside **Daydream** to the right.
- 4 Select what you want to display when the screen saver is active.

To set when the Daydream screen saver starts

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Display > Daydream**.
- 3 Drag the slider beside **Daydream** to the right.
- 4 To activate the Daydream screen saver immediately, tap **Start now**.
- 5 To set automatic activation options, tap **When to daydream** and select an option.

Screen lock

There are several ways to lock the screen. The security level of each lock type is listed below in order of weakest to strongest:

- **Swipe**
– no protection, but you have quick access to the Homescreen
- **Bluetooth Unlock**
– unlocks your device by using paired Bluetooth devices
- **Face Unlock**
– unlocks your device when you look at it
- **Pattern**
– draw a simple pattern with your finger to unlock your device
- **PIN**
– enter a numeric PIN of at least four digits to unlock your device
- **Password**
– enter an alpha-numeric password to unlock your device
- ! It is very important that you remember your screen unlock pattern, PIN, or password. If you forget this information, it may not be possible to restore important data such as contacts and messages.

To change screen lock type

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Security > Screen lock**.
- 3 Follow the instructions in your device and select another screen lock type.

To unlock the screen using the Bluetooth® unlock feature

- ! Make sure that your device and other Bluetooth® devices are paired before you use the Bluetooth® unlock feature. For more information about pairing, see *To pair your device with another Bluetooth® device* on page 100.
- 1 From your Home screen, tap , then find and tap **Settings > Security**.
- 2 Tap **Screen lock > Bluetooth unlock**.
- 3 Tap **Continue** and select the device that you want to use to unlock the screen, then tap **Continue**.
- 4 Choose an option as the backup lock to unlock the screen when no Bluetooth® devices are connected.
- 5 In other Bluetooth® devices, find and tap the name of your device under **Settings > Bluetooth > Paired devices**. When **Connected** appears on the Bluetooth® devices, press the power key on your device immediately.
- ! If your device is disconnected from other Bluetooth® devices, you need to unlock the screen using a PIN or a Pattern.

To set up the Face Unlock feature

- 1 From your Homescreen, tap  > **Settings > Security > Screen lock**.
- 2 Tap **Face Unlock**, then follow the instructions in your device to capture a photo of your face.
- 3 After your face is successfully captured, tap **Continue**.
- 4 Select a backup unlock method and follow the instructions in the device to complete the setup.

💡 For best results, capture your face in an indoor area that is well lit but not too bright, and hold the device at eye level.

To unlock the screen using the Face Unlock feature

- 1 Activate the screen.
- 2 Look at your device from the same angle you used to capture your Face Unlock photo.

 If the Face Unlock feature fails to recognize your face, you must use the backup unlock method to unlock the screen.

To create a screen lock pattern

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Security > Screen lock > Pattern**.
- 3 Follow the instructions on your device.

 If your lock pattern is rejected five times in a row when you try to unlock your device, you must wait 30 seconds and then try again.

To change the screen lock pattern

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Security > Screen lock**.
- 3 Draw your screen unlock pattern.
- 4 Tap **Pattern** and follow the instructions on your device.

To create a screen lock PIN

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Security > Screen lock > PIN**.
- 3 Enter a numeric PIN.
- 4 If necessary, tap  to minimize the keyboard.
- 5 Tap **Continue**.
- 6 Re-enter and confirm your PIN.
- 7 If necessary, tap  to minimize the keyboard.
- 8 Tap **OK**.

To create a screen lock password

- 1 From your Homescreen, tap  > **Settings > Security > Screen lock > Password**.
- 2 Enter a password.
- 3 If necessary, tap  to minimize the keyboard.
- 4 Tap **Continue**.
- 5 Re-enter and confirm your password.
- 6 If necessary, tap  to minimize the keyboard.
- 7 Tap **OK**.

To view notifications from the lock screen

- 1 From the lock screen, drag the status bar downwards.
- 2 Tap the notification that you want to view.

 You can only view notifications from the lock screen when you lock your screen with the **Swipe** mode.

Language settings

You can select a default language for your device and change it again at a later time. You can also change the writing language for text input. See *Personalizing the Xperia keyboard* on page 46.

To change the language

- 1 From the Homescreen, tap .
- 2 Find and tap **Settings > Language & input > Language**.
- 3 Select an option.
- 4 Tap **OK**.

! If you select the wrong language and cannot read the menu texts, find and tap . Then select the text beside  and select the first entry in the menu that opens. You can then select the language you want.

Date and time

You can change the date and time on your device.

To set the date manually

- 1 From the Homescreen, tap .
- 2 Find and tap **Settings > Date & time**.
- 3 Unmark the **Automatic date & time** checkbox, if it is marked.
- 4 Tap **Set date**.
- 5 Adjust the date by scrolling up and down.
- 6 Tap **Set**.

To set the time manually

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Date & time**.
- 3 Unmark the **Automatic date & time** checkbox if it is marked.
- 4 Tap **Set time**.
- 5 Scroll up or down to adjust the hour and minute.
- 6 If applicable, scroll up to change **AM** to **PM**, or vice versa.
- 7 Tap **Set**.

To set the time zone

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Date & time**.
- 3 Unmark the **Automatic time zone** checkbox, if it is marked.
- 4 Tap **Select time zone**.
- 5 Select an option.

Enhancing the sound output

You can enhance the sound output that comes from the speakers in your device using features such as Clear Phase™ and xLOUD™ technology.

Using Clear Phase™ technology

Use Clear Phase™ technology from Sony to automatically adjust the sound quality coming from your device's internal speakers and get a cleaner, more natural sound.

To enhance the speaker sound quality using Clear Phase™

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Sound**.
- 3 Mark the **Clear Phase™** checkbox.

! The activation of the Clear Phase™ feature has no effect on voice communication applications. For example, there is no change in the voice call sound quality.

Using xLOUD™ technology

Use xLOUD™ audio filter technology from Sony to enhance the speaker volume without sacrificing quality. Get a more dynamic sound as you listen to your favorite songs.

To enhance the speaker volume using xLOUD™

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings** > **Sound**.
- 3 Mark the **xLOUD™** checkbox.

! The activation of the xLOUD™ feature has no effect on voice communication applications. For example, there is no change in the voice call sound quality.

Typing text

On-screen keyboard

You can enter text with the on-screen QWERTY keyboard by tapping each letter individually, or you can use the Gesture input feature and slide your finger from letter to letter to form words. If you prefer to use a smaller version of the on-screen keyboard and input text using only one hand, you can activate the one-handed keyboard instead.

You can select up to three languages for text input. The keyboard detects the language you are using and predicts the words for that language as you type. Some applications open the on-screen keyboard automatically, for example, email and text messaging applications.



- 1 Delete a character before the cursor.
- 2 Enter a carriage return or confirm text input.
- 3 Enter a space.
- 4 Personalize your keyboard. This key disappears after the keyboard is personalized.
- 5 Display numbers and symbols. For even more symbols, tap $+=\$$.
- 6 Switch between lower-case $\hat{\wedge}$, upper-case $\hat{\wedge}$, and caps $\hat{\wedge}$. For some languages, this key is used to access extra characters in the language.

To display the on-screen keyboard to enter text

- Tap a text entry field.

To use the on-screen keyboard in landscape orientation

- When the on-screen keyboard is displayed, turn the device sideways.
- ! You may need to adjust the settings in some applications to enable landscape orientation.

To enter text character by character

- 1 To enter a character visible on the keyboard, tap the character.
- 2 To enter a character variant, touch and hold a regular keyboard character to get a list of available options, then select from the list. For example, to enter "é," touch and hold "e" until other options appear, then, while keeping your finger pressed on the keyboard, drag to and select "é."

To enter a period

- After you enter a word, double-tap the space bar.

To enter text using the Gesture input function

- 1 When the on-screen keyboard is displayed, slide your finger from letter to letter to trace the word that you want to write.
- 2 After you finish entering a word, lift up your finger. A word suggestion appears based on the letters that you have traced.
- 3 If the word that you want does not appear, tap  to see other options and select accordingly. If the desired option does not appear, delete the entire word and trace it again, or enter the word by tapping each letter individually.

To change the Gesture input settings

- 1 When the on-screen keyboard is displayed, tap .
- 2 Tap , then tap **Keyboard settings**.
- 3 To activate or deactivate the Gesture input function, mark or unmark the **Gesture input** checkbox.

To use the one-handed keyboard

- 1 Open the on-screen keyboard in portrait mode, then tap .
- 2 Tap , then tap **One-handed keyboard**.
- 3 To move the one-handed keyboard to the left or right side of the screen, tap  or  accordingly.

 To return to using the full on-screen keyboard, tap .

Phonepad

The Phonepad is similar to a standard 12-key telephone keypad. It gives you predictive text and multi-tap input options. You can activate the Phonepad text input method via the keyboard settings. The Phonepad is only available in portrait orientation.



- 1 Choose a text input option. You can tap each character once and use word suggestions, or keep tapping the key until the desired character is selected.
- 2 Delete a character before the cursor.
- 3 Enter a carriage return or confirm text input.
- 4 Enter a space.
- 5 Display symbols and smileys.
- 6 Display numbers.
- 7 Change the character case and turn on the caps lock.

To open the Phonepad for the first time

- 1 Tap a text entry field, then tap .
- 2 Tap , then tap **Keyboard settings**.
- 3 Tap **Portrait keyboard**, then select the **Phonepad** option.

To enter text using the Phonepad

- When  appears in the Phonepad, tap each character key only once, even if the letter you want is not the first letter on the key. Tap the word that appears or tap  to view more word suggestions and select a word from the list.
- When  appears in the Phonepad, tap the on-screen key for the character you want to enter. Keep tapping this button until the desired character is selected. Then do the same for the next character you want to enter, and so on.

To enter numbers using the Phonepad

- When the Phonepad is displayed, tap  123. A Phonepad with numbers appears.

To insert symbols and smileys using the Phonepad

- When the Phonepad is displayed, tap  & A grid with symbols and smileys appears.
- Scroll up or down to view more options. Tap a symbol or smiley to select it.

Entering text using voice input

When you enter text, you can use the voice input function instead of typing the words. Just speak the words that you want to enter. Voice input is an experimental technology from Google™, and is available for a number of languages and regions.

To enable voice input

- When you enter text using the on-screen keyboard, tap  12!?.
- Tap , then tap **Keyboard settings**.
- Mark the **Google voice typing key** checkbox.
- Tap  to save your settings. A microphone icon  appears on your on-screen keyboard.

To enter text using voice input

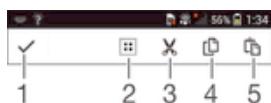
- Open the on-screen keyboard.
- Tap  When  appears, speak to enter text.
- When you're done, tap  again. The suggested text appears.
- Edit the text manually if necessary.

 To make the keyboard appear and enter text manually, tap 

Editing text

You can select, cut, copy and paste text as you write. You can access the editing tools by double-tapping the entered text. The editing tools then become available via an application bar.

Application bar



- Close the application bar
- Select all text
- Cut text
- Copy text

!  only appears when you have text saved on the clipboard.

To select text

- 1 Enter some text, then double-tap the text. The word you tap gets highlighted by tabs on both sides.
- 2 Drag the tabs to the left or right to select more text.

To edit text

- 1 Enter some text, then double-tap the entered text to make the application bar appear.
- 2 Select the text that you want to edit, then use the tools in the application bar to make your desired changes.

Personalizing the Xperia keyboard

When entering text using the on-screen keyboard, you can access keyboard and other text input settings that help you, for example, to set options for writing languages, text prediction and correction, automatic spacing, and quick periods. The keyboard can use data from Email and other applications to learn your writing style. There is also a Personalization guide that runs you through the most basic settings, to get you started quickly.

To access the on-screen keyboard settings

- 1 When you enter text using the on-screen keyboard, tap .
- 2 Tap , then tap **Keyboard settings** and change the settings as desired.
- 3 To add a writing language for text input, tap **Writing languages** and mark the relevant checkboxes.
- 4 Tap **OK** to confirm.

To change the word suggestion settings

- 1 When you enter text using the on-screen keyboard, tap .
- 2 Tap , then tap **Keyboard settings > Word suggestions**.
- 3 Select an option.

To choose an input method

- 1 When you enter text using the on-screen keyboard, drag the status bar downward to open the Notification panel, then tap .
- 2 Select an option.

To use your writing style

- 1 When you enter text using the on-screen keyboard, tap .
- 2 Tap , then tap **Keyboard settings > Use my writing style** and select a source.

To select a keyboard layout variant

! Layout variants for the on-screen keyboard may not be available for all writing languages.

- 1 When you enter text using the on-screen keyboard, tap .
- 2 Tap , then tap **Keyboard settings**.
- 3 Tap **Writing languages**, then tap .
- 4 Select a keyboard layout variant.
- 5 Tap **OK** to confirm.

Calling

Making calls

You can make a call by manually dialing a phone number, by tapping a number saved in your contacts list, or by tapping the phone number in your call log view. You can also use the smart dial feature to quickly find numbers from your contacts list and call logs. To make a video call, you can use the Hangouts™ instant messaging and video chat application on your device. See *Instant messaging and video chat* on the 62 page.



- 1 Open your contacts list
- 2 View your call log entries
- 3 View your favorite contacts
- 4 View all contact groups saved to your device
- 5 Delete number
- 6 Dial pad
- 7 View more options
- 8 Call button
- 9 Hide or show the dialer

To make a call by dialing

- 1 From your Homescreen, tap .
- 2 Find and tap **Phone**.
- 3 Enter the number of the recipient and tap .

To make a call using smart dial

- 1 From your Homescreen, tap .
- 2 Find and tap **Phone**.
- 3 Use the dialpad to enter letters or numbers that correspond to the contact you want to call. As you enter each letter or number, a list of possible matches appears.
- 4 Tap the contact you want to call.

To make an international call

- 1 From your Homescreen, tap .
- 2 Find and tap **Phone**.
- 3 Touch and hold 0 until a “+” sign appears.
- 4 Enter the country code, area code (without the initial zeros) and phone number, then tap .

To add a direct dial number to your Homescreen

- 1 Touch and hold an empty area on your Homescreen until the device vibrates and the customization menu appears.
- 2 In the customization menu, tap **Apps > Shortcuts**.
- 3 Scroll through the list of applications and select **Direct dial**.
- 4 Select the contact and the number that you want to use as the direct dial number.

Showing or hiding your phone number

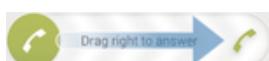
You can select to show or hide your phone number on call recipients' devices when you call them.

To show or hide your phone number

- 1 From the Homescreen, tap .
- 2 Find and tap **Settings > Call > Additional settings > Caller ID**.

Receiving calls

To answer a call



To decline a call



To mute the ringtone for an incoming call

- When you receive the call, press the volume key.

Using the answering machine

You can use the answering machine application in your device to answer calls when you are busy or miss a call. You can enable the automatic answering function and determine how many seconds to wait before the calls get answered automatically. You can also manually route calls to the answering machine when you are too busy to answer them. And you can access messages left on your answering machine directly from your device.

! Before using the answering machine, you must record a greeting message.

To record a greeting message for the answering machine

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Call > Answering Machine > Greetings**.
- 3 Tap **Record new greeting** and follow the on-screen instructions.

To enable automatic answering

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Call > Answering Machine**.
- 3 Mark the **Answering Machine** checkbox.

💡 If you don't set a time delay for the automatic answering of calls, the default value is used.

To reject a call with the answering machine

- When an incoming call arrives, drag **Response options** upward, then select **Reject with Answering Machine**.

To set a time delay for automatic answering

- From your Homescreen, tap ☎.
- Find and tap **Settings > Call > Answering Machine**.
- Tap **Pick up after**.
- Adjust the time by scrolling up and down.
- Tap **Done**.

To listen to messages on the answering machine

- From your Homescreen, tap ☎.
- Find and tap **Settings > Call > Answering Machine > Messages**.
- Select the voice message you want to listen to.

💡 You can also listen to answering machine messages directly from the call log by tapping ☎.

Rejecting a call with a text message

You can reject a call with a text message. When you reject a call with such a message, the message is automatically sent to the caller and stored in the Messaging conversation with the contact.

You can select from a number of predefined messages available on your device, or you can create a new message. You can also create your own personalized messages by editing the predefined ones.

To reject a call with a text message

- When an incoming call arrives, drag **Response options** upward, then tap **Reject with message**.
- Select a predefined message or tap + and write a new message.

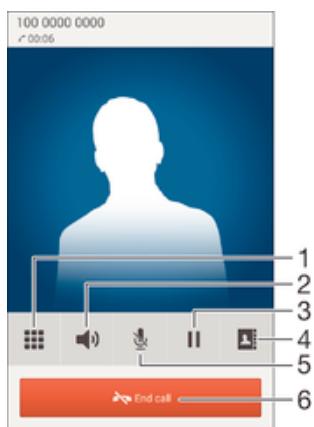
To reject a second call with a text message

- When you hear repeated beeps during a call, drag **Reject with message** upward.
- Select a predefined message or tap + and write a new message.

To edit the text message used to reject a call

- From your Homescreen, tap ☎.
- Find and tap **Settings > Call > Reject call with message**.
- Tap the message that you want to edit, then make the necessary changes.
- Tap **OK**.

Ongoing calls



- 1 Enter numbers during a call
- 2 Turn on the loudspeaker during a call
- 3 Put the current call on hold or retrieve the call
- 4 Open your contacts list
- 5 Mute the microphone during a call
- 6 End a call

To change the ear speaker volume during a call

- Press the volume key up or down.

To activate the screen during a call

- Briefly press .

Using the call log

In the call log, you can view missed calls , received calls  and dialed calls .

To view your missed calls

- 1 When you have missed a call,  appears in the status bar. Drag the status bar downwards.
- 2 Tap **Missed call**.

To call a number from your call log

- 1 From your Homescreen, tap .
- 2 Find and tap **Phone**. The call log view appears on the upper part of the screen.
- 3 To call a number directly, tap the number. To edit a number before calling, touch and hold the number, then tap **Edit number before call**.

! You can also call a number by tapping  > **Call back**.

To add a number from the call log to your contacts

- 1 From your Homescreen, tap .
- 2 Find and tap **Phone**. The call log view appears on the upper part of the screen.
- 3 Touch and hold the number, then tap **Add to Contacts**.
- 4 Tap the desired contact, or tap **Create new contact**.
- 5 Edit the contact details and tap **Done**.

To hide the call log

- 1 From your Homescreen, tap .
- 2 Find and tap **Phone**.
- 3 Tap  > **Hide call log**.

Forwarding calls

You can forward calls, for example, to another phone number, or to an answering service.

To forward calls

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Call**.
- 3 Tap **Call forwarding** and select an option.
- 4 Enter the number you want to forward calls to, then tap **Enable**.

To turn off call forwarding

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Call > Call forwarding**.
- 3 Select an option, then tap **Disable**.

Restricting calls

You can block all or certain categories of incoming and outgoing calls. If you have received a PIN2 code from your service provider, you can also use a list of Fixed Dialing Numbers (FDNs) to restrict outgoing calls. If your subscription includes a voicemail service, you can send all incoming calls from a specific contact directly to voicemail. If you want to block a certain number, you can go to Google Play™ and download applications that support this function.

 FDN is not supported by all network operators. Contact your network operator to verify if your SIM card or network service supports this feature.

To block incoming or outgoing calls

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Call**.
- 3 Tap **Call Barring**, then select an option.
- 4 Enter the password and tap **Enable**.

 When you set up call blocking for the first time, you need to enter a password to activate the call blocking function. You must use this same password later if you want to edit call blocking settings.

To enable or disable fixed dialing

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Call > Fixed dialing numbers**.
- 3 Tap **Activate fixed dialing** or **Deactivate fixed dialing**.
- 4 Enter your PIN2 and tap **OK**.

To access the list of accepted call recipients

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Call > Fixed dialing numbers > Fixed dialing numbers**.

To change the SIM card PIN2

- 1 From the Homescreen, tap .
- 2 Find and tap **Settings > Call**.
- 3 Tap **Fixed dialing numbers > Change PIN2**.
- 4 Enter the old SIM card PIN2 and tap **OK**.
- 5 Enter the new SIM card PIN2 and tap **OK**.
- 6 Confirm the new PIN2 and tap **OK**.

To send incoming calls from a specific contact directly to voicemail

- 1 From your Homescreen, tap .
- 2 Find and tap .
- 3 Select the contact for which you want to direct all incoming calls automatically to voicemail.
- 4 Tap  > .
- 5 Mark the checkbox beside **All calls to voicemail**.
- 6 Tap **Done**.

Multiple calls

If you have activated call waiting, you can handle multiple calls at the same time. When it is activated, you will be notified by a beep if you receive another call.

To activate or deactivate call waiting

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Call > Additional settings**.
- 3 To activate or deactivate call waiting, tap **Call waiting**.

To answer a second call and put the ongoing call on hold

- When you hear repeated beeps during a call, drag  to the right.

To reject a second call

- When you hear repeated beeps during a call, drag  to the left.

To make a second call

- 1 During an ongoing call, tap .
- 2 Enter the number of the recipient and tap . The first call is put on hold.

To answer a third call and end the ongoing call

- When the third call comes in, tap **End current call and answer**.

To reject a third call

- When the third call comes in, tap **Decline incoming call**.

To switch between multiple calls

- To switch to another call and put the current call on hold, tap **Switch to this call**.

Conference calls

With a conference or multiparty call, you can have a joint conversation with two or more people.

! For details about the number of participants that you can add to a conference call, contact your network operator.

To make a conference call

- 1 During an ongoing call, tap .
- 2 Dial the number of the second participant and tap . The first participant is put on hold.
- 3 Tap  to add the second participant to the conference call.
- 4 Repeat steps 1 to 3 to add more call participants.

To have a private conversation with a conference call participant

- 1 During an ongoing conference call, tap **Manage**.
- 2 Tap the telephone number of the participant that you want to have a private conversation with.
- 3 To end the private conversation and return to the conference call, tap .

To release a participant from a conference call

- 1 During an ongoing conference call, tap **Manage**.
- 2 Tap  next to the participant you want to release.

To end a conference call

- During the conference call, tap **End conference call**.

Voicemail

If your subscription includes a voicemail service, callers can leave voice messages for you when you can't answer calls. Your voicemail service number is normally saved on your SIM card. If not, you can get the number from your service provider and enter it manually.

To enter your voicemail number

- 1 From the Homescreen, tap .
- 2 Find and tap **Settings** > **Call** > **Voicemail** >**Voicemail settings** > **Voicemail number**.
- 3 Enter your voicemail number.
- 4 Tap **OK**.

To call your voicemail service

- 1 From your Homescreen, tap .
- 2 Find and tap **Phone**.
- 3 Touch and hold **1**.

Emergency calls

Your device supports international emergency numbers, for example, 112 or 911. You can normally use these numbers to make emergency calls in any country, with or without a SIM card inserted if you are within range of a network.

To make an emergency call

- 1 From your Homescreen, tap .
- 2 Find and Tap **Phone**.
- 3 Enter the emergency number and tap . To delete a number, tap .

 You can make emergency calls when no SIM card is inserted or when outgoing calls are barred.

To make an emergency call while the SIM card is locked

- 1 From the lock screen, tap **Emergency call**.
- 2 Enter the emergency number and tap .

Contacts

Transferring contacts

There are several ways to transfer contacts to your new device. You can sync contacts from an online account or import contacts directly from another device.

Transferring contacts using a computer

Xperia™ Transfer is an application that helps you to collect contacts from your old device and transfer them to your new device. Xperia™ Transfer, which you can access from within the PC Companion and the Sony Bridge for Mac computer programs, supports mobile devices that run on several operating systems, including iOS, Android™, Windows®, and BlackBerry™.

To use Xperia™ Transfer, you need:

- An Internet-connected computer.
- A USB cable for your old device.
- A USB cable for your new Android™ device.
- Your old device.
- Your new Android™ device.

To transfer contacts to your new device

- 1 Search and download PC Companion (on a PC) or Bridge for Mac (on a Mac computer) from www.sonymobile.com if the application is not already installed.
- 2 After successful installation, open the PC Companion application or the Sony Bridge for Mac application, then click *Xperia™ Transfer* and follow the relevant instructions to transfer your contacts.

Transferring contacts using an online account

If you sync the contacts in your old device or your computer with an online account, for example, Google Sync™, Facebook™, or Microsoft® Exchange ActiveSync®, you can transfer your contacts to your new device using that account.

To synchronize contacts to your new device using a synchronization account

- 1 From your Homescreen, tap  , then tap .
- 2 Tap  , then tap **Settings > Accounts & sync**.
- 3 Select the account that you want to sync your contacts with, then tap  > **Sync now**.

! You need to be signed in to the relevant sync account before you can sync your contacts with it.

Other methods for transferring contacts

There are several other ways to transfer contacts from your old device to your new device. For example, you can copy contacts to a memory card, use Bluetooth® technology, or save contacts to a SIM card. For more specific information about transferring the contacts from your old device, refer to the relevant User guide.

To import contacts from a memory card

- 1 From your Homescreen, tap  , then tap .
- 2 Press  , then tap **Import contacts > SD card**.
- 3 Select the files that you want to import and tap **OK**.

To import contacts using Bluetooth® technology

- 1 Make sure you have the Bluetooth® function turned on and that your device is set to visible.
- 2 When you are notified of an incoming file to your device, drag the status bar downward and tap the notification to accept the file transfer.
- 3 Tap **Accept** to start the file transfer.
- 4 Drag the status bar downward. When the transfer is complete, tap the notification.
- 5 Tap the received file.

To import contacts from a SIM card

! You may lose information or get multiple contact entries if you transfer contacts using a SIM card.

- 1 From your Homescreen, tap , then tap .
- 2 Tap , then tap **Import contacts** > **SIM card**.
- 3 To import an individual contact, find and tap the contact. To import all contacts, tap **Import all**.

Searching and viewing contacts



- 1 Contacts, Calling, Favorites, and Groups tabs
- 2 Edit and view medical and emergency contact information
- 3 View contact details
- 4 Jump to contacts starting with the selected letter
- 5 Access communication options for the contact
- 6 Search for contacts
- 7 Add a contact
- 8 View more options

To search for a contact

- 1 From your Homescreen, tap , then tap .
- 2 Tap  and enter a phone number, name, or other information in the **Search contacts** field. The result list is filtered as you enter each character.

To select which contacts to display in the Contacts application

- 1 From your Homescreen, tap , then tap .
- 2 Press , then tap **Filter**.
- 3 In the list that appears, mark or unmark the desired options. If you have synchronized your contacts with a synchronization account, that account appears in the list. To further expand the list of options, tap the account.

Adding and editing contacts

To add a contact

- 1 From your Homescreen, tap  , then tap  .
- 2 Tap  .
- 3 If you have synchronized your contacts with one or more accounts and you are adding a contact for the first time, you must select the account you want to add this contact to. Alternatively, tap **Phone contact** if you only want to use and save this contact on your device.
- 4 Enter or select the desired information for the contact.
- 5 When you are done, tap **Done**.
 - !
 - After you select a synchronization account in step 3, that account will show as the default account offered the next time you add a contact. When you save a contact to a particular account, that account will show as the default account to save to the next time you add a contact. If you have saved a contact to a particular account and want to change it, you need to create a new contact and select a different account to save them to.
 - 💡 If you add a plus sign and the country code before a contact's phone number, you do not have to edit the number again when you make calls from other countries.

To edit a contact

- 1 From your Homescreen, tap  , then tap  .
- 2 Tap the contact that you want to edit, then tap  .
- 3 Edit the desired information.
- 4 When you are done, tap **Done**.
 - !
 - Some synchronization services do not allow you to edit contact details.

To associate a picture with a contact

- 1 From your Homescreen, tap  , then tap  .
- 2 Tap the contact that you want to edit, then tap  .
- 3 Tap  + and select a method for adding the contact picture.
- 4 After you add the picture, tap **Done**.
 - 💡 You can also add a picture to a contact directly from the **Album** application. If you want to add a picture that is saved to an online account, you must download the picture first.

To personalize the ringtone for a contact

- 1 From your Homescreen, tap  , then tap  .
- 2 Tap the contact that you want to edit, then tap  .
- 3 Tap  > **Set ringtone**.
- 4 Select an option from the list or tap  to select a music file saved to your device, then tap **Done**.
- 5 Tap **Done**.

To delete contacts

- 1 From your Homescreen, tap  , then tap  .
- 2 Touch and hold the contact that you want to delete.
- 3 To delete all contacts, tap the downward arrow to open the drop-down menu, then select **Mark all**.
- 4 Tap  , then tap **Delete**.

To edit contact information about yourself

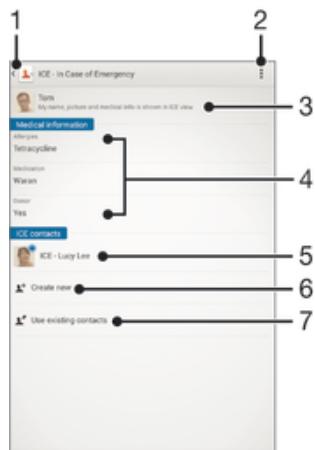
- 1 From your Homescreen, tap  , then tap  .
- 2 Tap **Myself**, then tap  .
- 3 Enter the new information or make the changes you want.
- 4 When you are done, tap **Done**.

To create a new contact from a text message

- 1 From your Homescreen, tap , then find and tap .
- 2 Tap  **Save**.
- 3 Select an existing contact, or tap **Create new contact**.
- 4 Edit the contact information and tap **Done**.

Adding medical and emergency contact information

You can add and edit ICE (In Case of Emergency) information in the Contacts application. You can enter medical details, such as allergies and medications that you are using, plus information about relatives and friends who can be contacted in case of an emergency. After setup, your ICE information can be accessed from the security lockscreen. This means that even if the screen is locked, for example, by a PIN, pattern, or password, emergency personnel can still retrieve your ICE information.



- 1 Go back to the main Contacts screen
- 2 View more options
- 3 Show your medical and personal information as part of the ICE information
- 4 Medical information
- 5 ICE contact list
- 6 Create new ICE contacts
- 7 Use existing contacts as ICE contacts

To show your medical and personal information as part of the ICE information

- 1 From your Homescreen, tap , then tap .
- 2 Tap **ICE – In Case of Emergency**.
- 3 Tap , then mark the **Show personal information** checkbox.

To enter your medical information

- 1 From your Homescreen, tap , then tap .
- 2 Tap **ICE – In Case of Emergency**.
- 3 Tap , then tap **Edit medical info**.
- 4 Edit the desired information.
- 5 When you are done, tap **Done**.

To add a new ICE contact

- 1 From your Homescreen, tap  (), then tap .
- 2 Tap **ICE – In Case of Emergency**, then tap .
- 3 If you have synchronized your contacts with one or more accounts and you are adding a contact for the first time, you must select the account you want to add this contact to. Alternatively, tap **Phone contact** if you only want to use and save this contact on your device.
- 4 Enter or select the desired information for the contact.
- 5 When you are done, tap **Done**.

! The ICE contact must have at least a phone number which emergency personnel can call. If your device is locked by a security screen lock, emergency personnel can only see the phone number of the ICE contact, even if there is other information entered in the Contacts application about the contact.

To use existing contacts as ICE contacts

- 1 From your Homescreen, tap  (), then tap .
- 2 Tap **ICE – In Case of Emergency**, then tap .
- 3 Mark the contacts you want to use as ICE contacts.
- 4 When you are done, tap **Done**.

! The ICE contacts you select must have at least a phone number which emergency personnel can call. If your device is locked by a security screen lock, emergency personnel can only see the phone number of the ICE contacts, even if there is other information entered in the Contacts application about the contacts.

To make your ICE information visible from the security lockscreen

- 1 From your Homescreen, tap  (), then tap .
- 2 Tap **ICE – In Case of Emergency**.
- 3 Tap , then tap **Settings**.
- 4 Mark the **ICE in lock screen** checkbox.

! Your ICE information is visible from the security lockscreen by default.

To enable calls to ICE contacts from the security lock screen

- 1 From your Homescreen, tap  (), then tap .
- 2 Tap **ICE – In Case of Emergency**.
- 3 Tap , then tap **Settings**.
- 4 Mark the **Enable call in ICE** checkbox.

! Some networks and/or service providers may not support ICE calls.

Favorites and groups

Contacts that you mark as favorites appear under the favorites tab in the Contacts application along with your most frequently called contacts or "top contacts". This way you get quicker access to these contacts. You can also assign contacts to groups, to get quicker access to a group of contacts from within the Contacts application.

To mark or unmark a contact as a favorite

- 1 From the Homescreen, tap  (), then tap .
- 2 Tap the contact you want to add to or remove from your favorites.
- 3 Tap .

To view your favorite contacts and top contacts

- 1 From your Homescreen, tap  (), then tap .
- 2 Tap .

To assign a contact to a group

- 1 In the Contacts application, tap the contact that you want to assign to a group.
- 2 Tap  , then tap the bar directly under **Groups**.
- 3 Mark the checkboxes for the groups you want to add the contact to.
- 4 Tap **Done**.

Sending contact information

To send your business card

- 1 From your Homescreen, tap , then tap .
- 2 Tap **Myself**.
- 3 Press , then tap **Send contact > OK**.
- 4 Select an available transfer method and follow the on-screen instructions.

To send a contact

- 1 From your Homescreen, tap , then tap .
- 2 Tap the contact whose details you want to send.
- 3 Press , then tap **Send contact > OK**.
- 4 Select an available transfer method and follow the on-screen instructions.

To send several contacts at once

- 1 From your Homescreen, tap , then tap .
- 2 Press , then tap **Mark several**.
- 3 Mark the contacts you want to send, or select all if you want to send all contacts.
- 4 Tap , then select an available transfer method and follow the on-screen instructions.

Avoiding duplicate entries in the Contacts application

If you synchronize your contacts with a new account or import contact information in other ways, you could end up with duplicate entries in the Contacts application. If this happens, you can join such duplicates to create a single entry. And if you join entries by mistake, you can separate them again later.

To link contacts

- 1 From your Homescreen, tap , then tap .
- 2 Tap the contact that you want to link with another contact.
- 3 Press , then tap **Link contact**.
- 4 Tap the contact whose information you want to join with the first contact, then tap **OK** to confirm. The information from the first contact is merged with the second contact, and the linked contacts are displayed as one contact in the Contacts list.

To separate linked contacts

- 1 From your Homescreen, tap , then tap .
- 2 Tap the linked contact that you want to edit, then tap .
- 3 Tap **Unlink contact > Unlink**.

Backing up contacts

You can use a memory card to back up contacts. See *Transferring contacts* on page 54 for more information about how to restore contacts to your device.

To export all contacts to a memory card

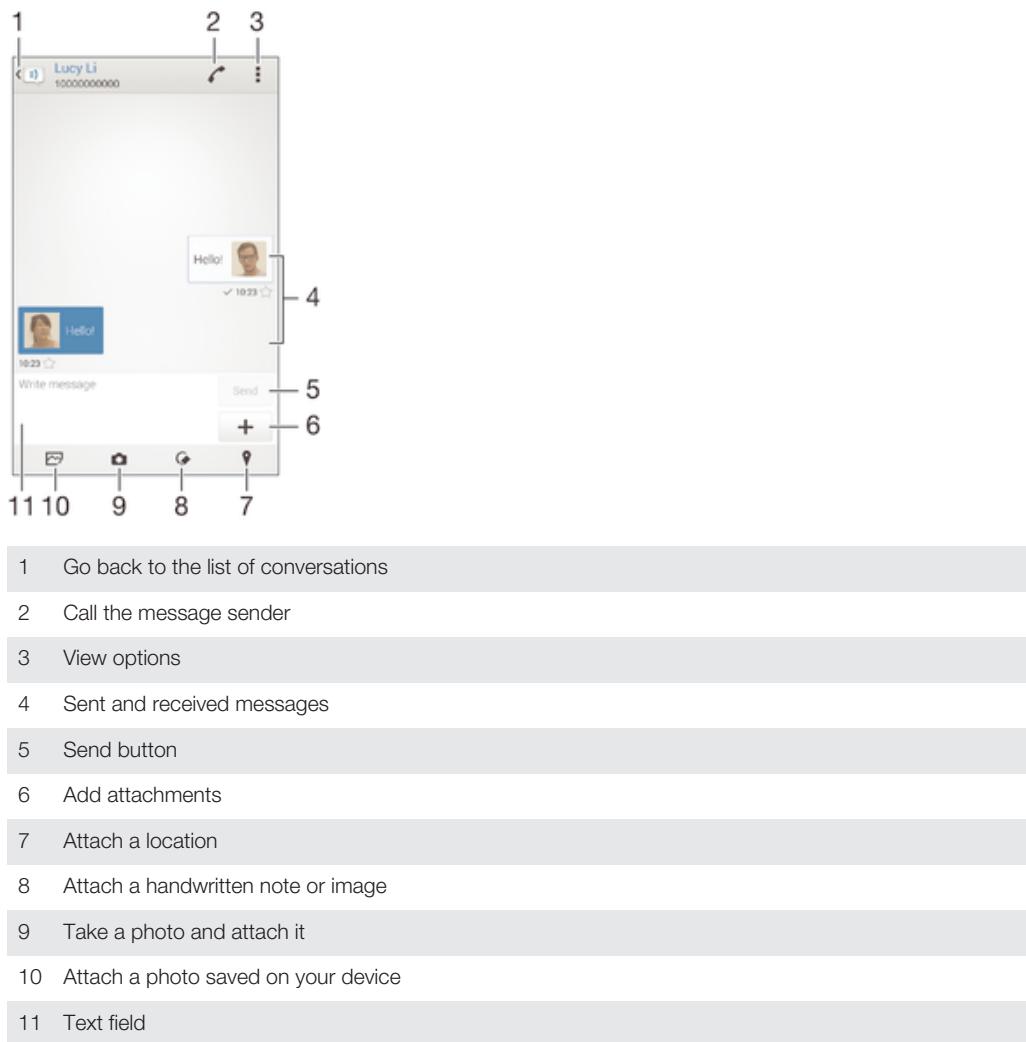
- 1 From your Homescreen, tap , then tap .
- 2 Press , then tap **Export contacts > SD card**.
- 3 Tap **OK**.

Messaging and chat

Reading and sending messages

The Messaging application shows your messages as conversations, which means that all messages to and from a particular person are grouped together. To send multimedia messages, you need the correct MMS settings on your device. See *Internet and MMS settings* on page 27.

- ! The number of characters that you can send in a single message varies depending on the operator and the language you use. The maximum size of a multimedia message, which includes the size of added media files, is also operator dependent. Contact your network operator for more information.



To create and send a message

- 1 From your Homescreen, tap , then find and tap .
- 2 Tap .
- 3 Enter the recipient's name or phone number, or other contact information that you have saved about the recipient, then select from the list that appears. If the recipient is not listed as a contact, enter the recipient's number manually.
- 4 Tap **Write message** and enter your message text.
- 5 If you want to add an attachment, tap and select an option.
- 6 To send the message, tap **Send**.

If you exit a message before sending, it gets saved as a draft. The conversation gets tagged with the word **Draft**.

To read a received message

- 1 From your Homescreen, tap , then find and tap .
- 2 Tap the desired conversation.
- 3 If the message is not yet downloaded, tap and hold the message, then tap **Download message**.

 All received messages are saved by default to the device memory.

To reply to a message

- 1 From your Homescreen, tap , then find and tap .
- 2 Tap the conversation containing the message.
- 3 Enter your reply and tap **Send**.

To forward a message

- 1 From your Homescreen, tap , then find and tap .
- 2 Tap the conversation containing the message you want to forward.
- 3 Touch and hold the message you want to forward, then tap **Forward message**.
- 4 Enter the recipient's name or phone number, or other contact information that you have saved about the recipient, then select from the list that appears. If the recipient is not listed as a contact, enter the recipient's number manually.
- 5 Edit the message, if necessary, then tap **Send**.

To save a file contained in a message you receive

- 1 From your Homescreen, tap , then find and tap .
- 2 Tap the conversation you want to open.
- 3 If the message has not been downloaded yet, tap and hold the message, then tap **Download message**.
- 4 Touch and hold the file you want to save, then select the desired option.

Organizing your messages

To delete a message

- 1 From your Homescreen, tap , then find and tap .
- 2 Tap the conversation containing the message you want to delete.
- 3 Touch and hold the message you want to delete, then tap **Delete message** > **Delete**.

To delete conversations

- 1 From your Homescreen, tap , then find and tap .
- 2 Tap , then tap **Delete conversations**.
- 3 Mark the checkboxes for the conversations that you want to delete, then tap  > **Delete**.

To star a message

- 1 From your Homescreen, tap , then find and tap .
- 2 Tap the conversation you want to open.
- 3 In the message you want to star, tap .
- 4 To unstar a message, tap .

To view starred messages

- 1 From your Homescreen, tap , then find and tap .
- 2 Tap , then tap **Starred messages**.
- 3 All starred messages appear in a list.

To search for messages

- 1 From your Homescreen, tap , then find and tap .
- 2 Tap , then tap **Search**.
- 3 Enter your search keywords. The search results appear in a list.

Calling from a message

To call a message sender

- 1 From your Homescreen, tap , then find and tap .
- 2 Tap a conversation.
- 3 Tap .
- 4 Tap .

To save a sender's number as a contact

- 1 From your Homescreen, tap , then find and tap .
- 2 Tap  > **Save**.
- 3 Select an existing contact, or tap **Create new contact**.
- 4 Edit the contact information and tap **Done**.

Messaging settings

To change your message notification settings

- 1 From your Homescreen, tap , then find and tap .
- 2 Tap , then tap **Settings**.
- 3 To set a notification sound, tap **Notification tone**, then select an option or tap  and select a music file that is saved to your device.
- 4 To confirm, tap **Done**.
- 5 For other notification settings, check or uncheck the relevant checkboxes.

To turn the delivery report function on or off for outgoing messages

- 1 From your Homescreen, tap , then find and tap .
- 2 Tap , then tap **Settings**.
- 3 Mark or unmark the **Delivery report** checkbox as desired.

! After the delivery report function is turned on, a check mark is displayed in messages that have been successfully delivered.

Instant messaging and video chat

You can use the Google Hangouts™ instant messaging and video chat application on your device to chat with friends who also use the application on computers, Android™ devices and other devices. You can turn any conversation into a video call with several friends, and you can send messages to friends even when they are offline. You can also view and share photos easily.

Before you start using Hangouts™, make sure that you have a working Internet connection and a Google™ account. Go to <http://support.google.com/hangouts> and click the "Hangouts on your Android" link to get more detailed information about how to use this application.

! The video call function only works on devices with a front camera.

To use the Hangouts™ application

- 1 From your Homescreen, tap .
- 2 Find and tap **Hangouts**.

Email

Setting up email

Use the email application in your device to send and receive email messages through your email accounts. You can have one or several email accounts at the same time, including corporate Microsoft Exchange ActiveSync accounts.

To set up an email account

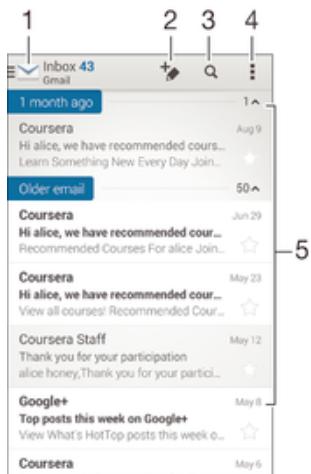
- 1 From your Homescreen, tap .
- 2 Find and tap **Mail**.
- 3 Follow the instructions that appear on the screen to complete the setup.

 For some email services, you may need to contact your email service provider for information on detailed settings for the email account.

To add an extra email account

- 1 From your Homescreen, tap .
- 2 Find and tap **Mail**.
- 3 Tap , then tap **Settings > Add account**.
- 4 Enter the email address and password, then tap **Next**. If the settings for the email account cannot be downloaded automatically, complete the setup manually.
- 5 When you are finished, tap **Next**.

Sending and receiving email messages



- 1 View a list of all email accounts and recent folders
- 2 Write a new email message
- 3 Search for email messages
- 4 Access settings and options
- 5 List of email messages

To download new email messages

- When the email inbox is open, swipe downward on the message list.

 Before trying to download new email messages, make sure you have a working data connection. For more information about ensuring successful data connections, see *Internet and MMS settings* on page 27.

To read your email messages

- 1 From your Homescreen, tap .
- 2 Find and tap **Mail**.
- 3 If you are using several email accounts, tap  and select the account that you want to check, then tap **Inbox** in the drop down menu. If you want to check all your email accounts at once, tap , then tap **Combined inbox** in the drop down menu.
- 4 In the email inbox, scroll up or down and tap the email message that you want to read.

To create and send an email message

- 1 From your Homescreen, tap , then find and tap **Mail**.
- 2 If you are using several email accounts, tap  and select the account from which you want to send the email, then tap **Inbox** in the drop down menu.
- 3 Tap , then type the recipient's name or email address, or tap  and select one or more recipients from your Contacts list.
- 4 Enter the email subject and message text, then tap .

To reply to an email message

- 1 In your email inbox, find and tap the message that you want to reply to, then tap **Reply** or **Reply all**.
- 2 Enter your reply, then tap .

To forward an email message

- 1 In your email inbox, find and tap the message that you want to forward, then tap **Forward**.
- 2 Enter the recipient's email address manually, or tap  and select a recipient from your Contacts list.
- 3 Enter your message text, then tap .

To view an email message attachment

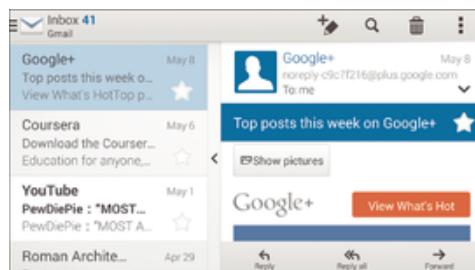
- 1 Find and tap the email message containing the attachment that you want to view. Email messages with attachments are indicated by .
- 2 After the email message opens, tap **Load**. The attachment starts to download.
- 3 After the attachment finishes downloading, tap **View**.

To save a sender's email address to your contacts

- 1 Find and tap a message in your email inbox.
- 2 Tap the name of the sender, then tap **OK**.
- 3 Select an existing contact, or tap **Create new contact**.
- 4 Edit the contact information, if desired, then tap **Done**.

Email preview pane

A preview pane is available for viewing and reading your email messages. Once activated, you can use it to view both the email message list and one selected email message at the same time.



To change the email preview pane settings

- 1 From your Homescreen, tap , then find and tap **Mail**.
- 2 Tap , then tap **Settings > Split view**.
- 3 Select an option, or a combination of options, then tap **OK**.

To read email messages using the preview pane

- 1 Make sure the preview pane is activated.
- 2 Open your email inbox.
- 3 Scroll up or down and tap the email message that you want to read.
- 4 To view the email message in fullscreen format, tap the split bar (located between the email list and the email body).
- 5 To return to the regular inbox view, tap the split bar again.

Organizing your email messages

To sort your emails

- 1 From your Homescreen, tap .
- 2 Find and tap **Mail**.
- 3 If you are using several email accounts, tap  and select the account that you want to sort, then tap **Inbox** in the drop down menu. If you want to sort all your email accounts at once, tap , then tap **Combined inbox**.
- 4 Tap , then tap **Sort**.
- 5 Select a sorting option.

To search for emails

- 1 From your Homescreen, tap , then find and tap **Mail**.
- 2 If you are using several email accounts, tap  and select the name of the account that you want to check, then tap **Inbox** in the drop down menu. If you want to search all your email accounts at once, tap , then tap **Combined view**.
- 3 Tap .
- 4 Enter your search text, then tap  on the keyboard.
- 5 The search result appears in a list sorted by date. Tap the email message that you want to open.

To view all folders for one email account

- 1 From your Homescreen, tap , then find and tap **Mail**.
- 2 If you are using several email accounts, tap , and select the account you want to check.
- 3 Under the account that you want to check, select **Show all folders**.

To delete an email message

- In your email inbox, flick the message that you want to delete to the right.

To move an email message to another folder

- 1 In your email inbox, flick the message that you want to move to the left.
- 2 Tap **Move**, then select a folder.

Email account settings

To remove an email account from your device

- 1 From your Homescreen, tap .
- 2 Find and tap **Mail**.
- 3 Press , then tap **Settings**.
- 4 Select the account you want to remove.
- 5 Tap **Delete account > OK**.

To change the inbox check frequency

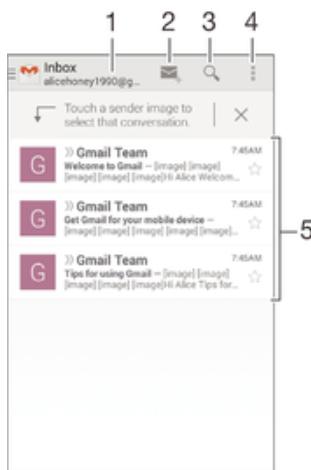
- 1 From your Homescreen, tap .
- 2 Find and tap **Mail**.
- 3 Tap , then tap **Settings**.
- 4 Select the account for which you want to change the inbox check frequency.
- 5 Tap **Check frequency** > **Check frequency** and select an option.

To set an Out of Office auto-reply in an Exchange Active Sync account

- 1 From your Homescreen, tap , then find and tap **Mail**.
- 2 Press , then tap **Settings**.
- 3 Select the EAS (Exchange Active Sync) account for which you want to set an Out of Office auto-reply.
- 4 Tap **Out of office**.
- 5 Drag the slider beside **Out of office** to the right to turn on the function.
- 6 If needed, mark the **Set time range** checkbox and set the time range for the auto reply.
- 7 Enter your Out of Office message in the body text field.
- 8 Tap **OK** to confirm.

Gmail™

If you have a Google™ account, you can use the Gmail™ application to read and write email messages.



- 1 View a list of all Gmail accounts and recent folders
- 2 Write a new email message
- 3 Search for email messages
- 4 Access settings and options
- 5 List of email messages

To learn more about Gmail™

- When the Gmail application is open, drag the left edge of the screen to the right, and then find and tap **Help**.

Music

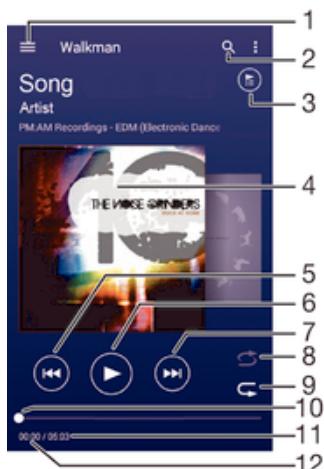
Transferring music to your device

There are different ways to get music from a computer onto your device:

- Connect the device and computer using a USB cable and drag and drop music files directly into the file manager application on the computer. See *Managing files using a computer* on the 116 page.
- If the computer is a PC, you can use the Media Go™ application from Sony and organize your music files, create playlists, subscribe to podcasts, and more. To learn more and download the Media Go™ application, go to <http://mediago.sony.com/enu/features>.
- If the computer is an Apple® Mac®, you can use the Sony Bridge for Mac application to transfer your media files from iTunes to your device. To learn more and download Sony Bridge for Mac, go to www.sonymobile.com/global-en/tools/bridge-for-mac/.
- ! The Walkman® application may not support all music file formats. For more information about supported file formats and the use of multimedia (audio, image, and video) files, download the White Paper for your device at www.sonymobile.com/support.

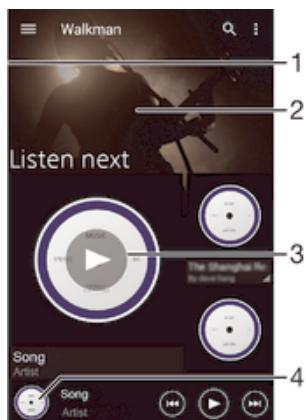
Listening to music

Use the Walkman® application to listen to your favorite music and audio books.



- 1 Open the Walkman® homescreen menu
- 2 Search all songs saved to your device
- 3 View the current play queue
- 4 Album art (if available)
- 5 Tap to go to the previous song in the play queue
Touch and hold to rewind within the current song
- 6 Play or pause a song
- 7 Tap to go to the next song in the play queue
Touch and hold to fast forward within the current song
- 8 Shuffle songs in the current play queue
- 9 Repeat all songs in the current play queue
- 10 Progress indicator – Drag the indicator or tap along the line to fast forward or rewind
- 11 Total length of current song
- 12 Elapsed time of current song

Walkman® homescreen



- 1 Drag the left edge of the screen to the right to open the Walkman® homescreen menu
- 2 Scroll up or down to view content
- 3 Play a song using the Walkman® application
- 4 Return to the Walkman® music player screen

To play a song using the Walkman® application

- 1 From your Homescreen, tap , then find and tap .
- 2 Drag the left edge of the screen to the right.
- 3 Select a music category.
- 4 Tap a song to play it.

! You might not be able to play copyright-protected items. Please verify that you have necessary rights in material that you intend to share.

To find song-related information online

- While a song is playing in the Walkman® application, tap Album art and then tap the Infinite button .
- 💡** The Infinite button gives you access to online resources related to the song, such as videos on YouTube™, song lyrics, and artist information on Wikipedia.

To adjust the audio volume

- Press the volume key.

To minimize the Walkman® application

- When a song is playing, tap to go to the Homescreen. The Walkman® application stays playing in the background.

To open the Walkman® application when it is playing in the background

- 1 While a song is playing in the background, tap the to open the recently used applications window.
- 2 Tap the Walkman® application.

Walkman® homescreen menu

The Walkman® homescreen menu gives you an overview of all the songs on your device. From here you can manage your albums and playlists, and you can organize your music by mood and tempo using SensMe™ channels.

To open the Walkman® home screen menu

- 1 From your Homescreen, tap , then find and tap .
- 2 Drag the left edge of the screen to the right.

To return to the Walkman® homescreen

- When the Walkman® homescreen menu is open, tap **Home**.
- When the Walkman® homescreen menu is open, tap on the screen to the right of the menu.

To update your music with the latest information

- 1 From the Walkman® homescreen, tap .
- 2 Tap **Download music info > Start**. Your device searches online and downloads the latest available album art and song information for your music.

 The SensMe™ channels application is activated when you download music information.

To enable the SensMe™ channels application

- From the Walkman® homescreen, tap , then tap **Download music info > Start**.
- ! This application requires a cellular or Wi-Fi® network connection.

To edit music information

- 1 From the Walkman® application, tap .
- 2 Tap **Edit music info**.
- 3 Enter the new information or make the changes you want.
- 4 When you are done, tap **Save**.

To delete a song

- 1 From the Walkman® homescreen menu, browse to the song that you want to delete.
- 2 Touch and hold the song title, then tap **Delete** from the list that appears.
- 3 Tap **Delete** again to confirm.

Playlists

On the Walkman® homescreen, you can create your own playlists from the music that is saved on your device.

To create your own playlists

- 1 From the Walkman® homescreen, touch and hold the name of the album or song that you want to add to a playlist.
- 2 In the menu that opens, tap **Add to... > Create new playlist**.
- 3 Enter a name for the playlist and tap **OK**.

 You can also tap the album art and then tap  to create a new playlist.

To play your own playlists

- 1 Open the Walkman® homescreen menu, then tap **Playlists**.
- 2 Under **Playlists**, select the playlist that you want to open.
- 3 If you want to play all songs, tap **Shuffle all**.

To add songs to a playlist

- 1 From the Walkman® homescreen, browse to the song or album that you want to add to a playlist.
- 2 Touch and hold the song or the album title, then tap **Add to....**
- 3 Tap the name of the playlist you want to add the album or song to. The album or song is added to the playlist.

To remove a song from a playlist

- 1 In a playlist, touch and hold the title of the song that you want to delete.
- 2 Tap **Delete from playlist**.

! You might not be able to delete a song that is saved on the memory card or on your device's internal storage.

To delete a playlist

- 1 Open the Walkman® homescreen menu, then tap **Playlists**.
- 2 Touch and hold the playlist that you want to delete.
- 3 Tap **Delete**.
- 4 Tap **Delete** again to confirm.

! You cannot delete smart playlists.

Sharing music

To share a song

- 1 From the Walkman® homescreen, browse to the song or album that you want to share.
- 2 Touch and hold the song title, then tap **Share**.
- 3 Select an application from the list, then follow the on-screen instructions.

💡 You can also share albums and playlists in the same way.

Enhancing the sound

To improve the sound quality using the equalizer

- 1 When the Walkman® application is open, tap .
- 2 Tap **Settings > Sound enhancements**.
- 3 To adjust the sound manually, drag the frequency band buttons up or down. To adjust the sound automatically, tap  and select a style.

To turn on the Surround sound feature

- 1 When the Walkman® application is open, tap .
- 2 Tap **Settings > Sound enhancements > Settings > Surround sound (VPT)**.
- 3 Select a setting, then tap **OK** to confirm.

Visualizer

The Visualizer adds visual effects to your songs as you play them. The effects for each song are based on the characteristics of the music. They change, for example, in response to changes in the music's volume, rhythm, and frequency level. You can also change the background theme.

To turn on the Visualizer

- 1 In the Walkman® application, tap .
- 2 Tap **Visualizer**.

💡 Tap the screen to switch to full-screen view.

To change the background theme

- 1 In the Walkman® application, tap .
- 2 Tap **Visualizer**.
- 3 Tap  > **Theme** and select a theme.

Recognizing music with TrackID™

Use the TrackID™ music recognition service to identify a song you hear playing in your surroundings. Just record a short sample of the song and you'll get artist, title, and album info within seconds. You can purchase a song identified by TrackID™, and you can view TrackID™ charts to see what TrackID™ users around the globe are searching for. For best results, use TrackID™ in a quiet area.



- 1 View TrackID™ options
- 2 Drag the left edge of the screen to the right to open the TrackID™ homescreen menu
- 3 Identify the music that you are listening to

! The TrackID™ application and the TrackID™ service are not supported in all countries/regions or by all networks and/or service providers in all areas.

To identify music using TrackID™ technology

- 1 From your Homescreen, tap .
- 2 Find and tap **TrackID™**, then hold your device close to the music source.
- 3 Tap . If the song is recognized by the TrackID™ service, the results appear on the screen.

💡 To return to the **TrackID™** start screen, tap .

TrackID™ homescreen menu

The TrackID™ homescreen menu gives you an overview of all the songs you have recorded and identified using the TrackID™ service. From here you can also view your songs based on current music charts and search history.



- 1 Create an online TrackID™ profile
- 2 Open the TrackID™ application

3 View the search result history

4 View current music charts

To view artist information for a song

- After a song has been recognized by the **TrackID™** application, tap **Artist info**.

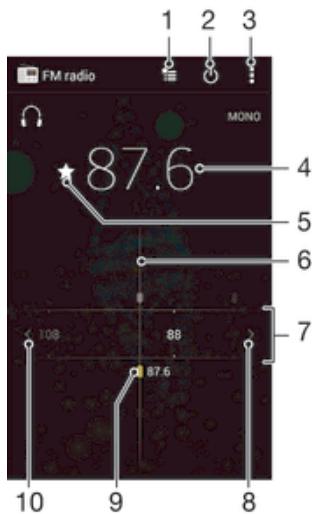
To delete song from the track history

- 1 Open the **TrackID™** application, then tap **History**.
- 2 Touch and hold the name of the song that you want to delete, then tap **Delete**.

FM radio

Listening to the radio

The FM radio in your device works like any FM radio. For example, you can browse and listen to FM radio stations and save them as favorites. You must connect a wired headset or headphones to your device before you can use the radio. This is because the headset or headphones act as an antenna. After one of these devices is connected, you can then switch the audio to the speaker, if desired.



- 1 Favorites list
- 2 Radio on/off button
- 3 View menu options
- 4 Tuned frequency
- 5 Save or remove a channel as a favorite
- 6 Tuning dial
- 7 Frequency band – drag left or right to move between channels
- 8 Move up the frequency band to search for a channel
- 9 A saved favorite channel
- 10 Move down the frequency band to search for a channel

To listen to the FM radio

- 1 Connect a headset or a set of headphones to your device.
- 2 From your Homescreen, tap .
- 3 Find and tap **FM radio** 

To move between radio channels

- Drag the frequency band left or right.

To start a new search for radio channels

- 1 When the radio is open, press .
- 2 Tap **Search for channels**. The radio scans the whole frequency band, and all available channels are displayed.

To switch the radio sound to the speaker

- 1 When the radio is open, press .
- 2 Tap **Play in speaker**.

 To switch the sound back to the wired headset or headphones, press  and tap **Play in headphones**.

To identify a song on the FM radio using TrackID™

- 1 While the song is playing on your device's FM radio, tap , then select **TrackID™**.
- 2 A progress indicator appears while the TrackID™ application samples the song. If identification is successful, you are presented with a result or a list of possible results.
- 3 To return to the FM Radio, tap .

 The TrackID™ application and the TrackID™ service are not supported in all countries/regions, or by all networks and/or service providers in all areas.

Favorite radio channels

To save a channel as a favorite

- 1 When the radio is open, navigate to the channel that you want to save as a favorite.
- 2 Tap .
- 3 Enter a name and select a color for the channel, then press **Save**.

To listen to a favorite radio channel

- 1 Tap .
- 2 Select an option.

To remove a channel as a favorite

- 1 When the radio is open, navigate to the channel that you want to remove.
- 2 Tap , then tap **Delete**.

Sound settings

To switch between mono and stereo sound mode

- 1 When the radio is open, press .
- 2 Tap **Enable stereo sound**.
- 3 To listen to the radio in mono sound mode again, press  and tap **Force mono sound**.

To select the radio region

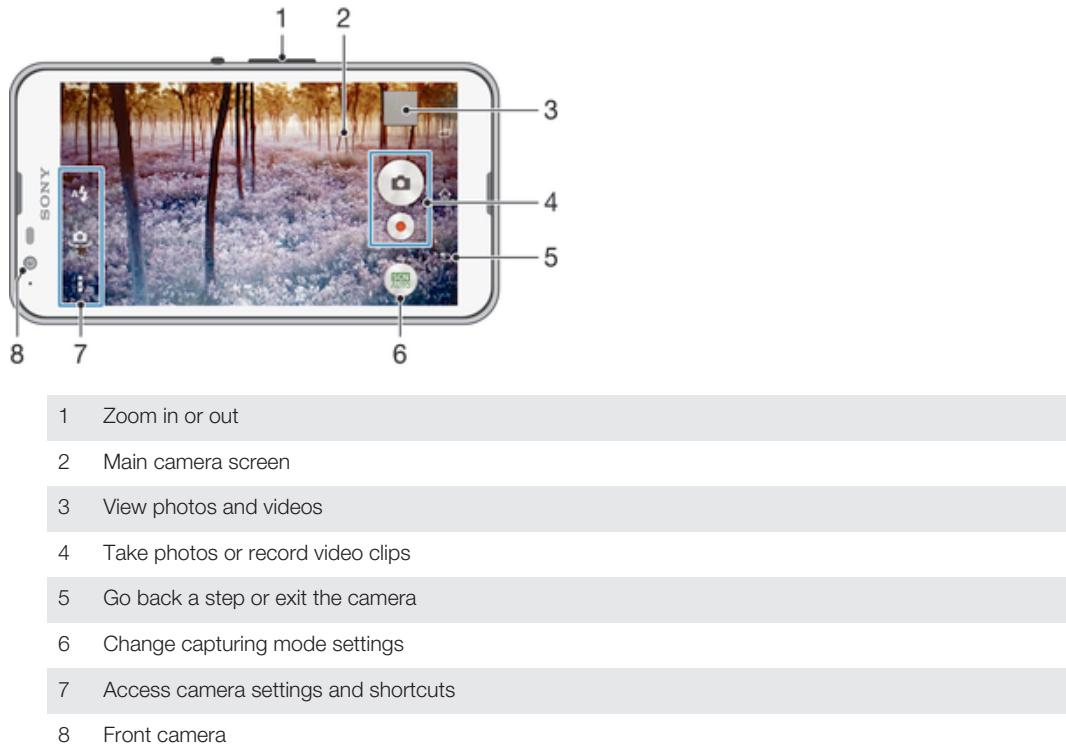
- 1 When the radio is open, press .
- 2 Tap **Set radio region**.
- 3 Select an option.

To adjust the Visualizer

- 1 When the radio is open, tap .
- 2 Tap **Visualizer**.
- 3 Select an option.

Camera

Taking photos and recording videos



To take a photo from the lock screen

- 1 To activate the screen, briefly press the power key
- 2 To activate the camera, touch and hold and drag upwards.
- 3 After the camera opens, tap

To take a photo by touching the screen

- 1 Activate the camera.
- 2 Tap , then tap .
- 3 Drag the slider beside **Touch capture** to the right.
- 4 Point the camera toward the subject.
- 5 To activate auto focus, touch and hold a spot on the screen. When the focus frame turns blue, lift your finger to take the photo.

To take a photo by tapping the on-screen camera button

- 1 Activate the camera.
- 2 Point the camera toward the subject.
- 3 Tap the on-screen camera button . The photo is taken as soon as you release your finger.

To take a self-portrait using the front camera

- 1 Activate the camera.
- 2 Tap .
- 3 To take the photo, tap the on-screen camera button . The photo is taken as soon as you release your finger.

To use the still camera flash

- 1 When the camera is open, tap .
- 2 Select your desired flash setting.
- 3 Take the photo.

To use the zoom function

- When the camera is open, press the volume key up or down.
- When the camera is open, pinch in or pinch out on the camera screen.

To record a video

- 1 Activate the camera.
- 2 Point the camera toward the subject.
- 3 To start recording, tap .
- 4 To pause when recording a video, tap . To resume recording, tap .
- 5 To stop recording, tap .

To take a photo when recording a video

- To take a photo when recording a video, tap . The photo is taken as soon as you release your finger.

To view your photos and videos

- 1 Activate the camera, then tap a thumbnail to open a photo or video.
- 2 Flick left or right to view your photos and videos.

To delete a photo or recorded video

- 1 Browse to the photo or video that you want to delete.
- 2 Tap the screen to make  appear.
- 3 Tap .
- 4 Tap **Delete** to confirm.

Face detection

You can use face detection to bring an off-center face into focus. The camera automatically detects up to five faces, indicated by white frames. A colored frame shows which face has been selected for focus. Focus is set to the face closest to the camera. You can also tap one of the frames to select which face should be in focus.

To turn on face detection

- 1 Activate the camera.
- 2 Tap , then select .
- 3 Tap , then tap .
- 4 Tap **Focus mode > Face detection**.

To take a photo using face detection

- 1 When the camera is open and **Face detection** turned on, point the camera at your subject. Up to five faces can be detected, and each detected face is framed.
- 2 Tap the frame you want to select for focus. Do not tap if you want the camera to select focus automatically.
- 3 A colored frame shows which face is in focus. Tap the screen to take the photo.

Using Smile Shutter™ to capture smiling faces

Use Smile Shutter™ technology to photograph a face just as it smiles. The camera detects up to five faces and selects one face for smile detection and auto-focus. When the selected face smiles, the camera automatically takes a photo.

To turn on Smile Shutter™

- 1 Activate the camera.
- 2 Tap , then tap .
- 3 Tap **Smile Shutter** and select a smile level.

To take a photo using Smile Shutter™

- 1 When the camera is open and Smile Shutter™ is turned on, point the camera at your subject. The camera selects which face to focus on.
- 2 The face selected appears inside a colored frame and the photo is taken automatically.
- 3 If no smile is detected, tap the screen to take the photo manually.

Adding the geographical position to your photos

Turn on geotagging to add the approximate geographical location (a geotag) to photos when you take them. The geographical location is determined either by wireless networks or GPS technology.

When  appears on the camera screen, geotagging is turned on but the geographical position has not been found. When  appears, geotagging is turned on and the geographical location is available, so your photo can get geotagged. When neither of these two symbols appears, geotagging is turned off.

To turn on geotagging

- 1 From your Homescreen, tap .
- 2 Tap **Settings > Location**.
- 3 Drag the slider beside **Location** to the right.
- 4 Activate the camera.
- 5 Tap , then tap .
- 6 Drag the slider beside **Geotagging** to the right.

General camera settings

Capturing mode settings overview



Auto Scene Recognition

Optimize your settings to suit any scene.



Manual

Adjust camera settings manually.



Face in picture

Take photos using the front and rear cameras at the same time.



Multi camera

Record the same scene from multiple angles on a single screen.



Live on YouTube

Broadcast live video to YouTube™.



AR effect

Take photos or videos with virtual scenes and characters.



Creative effect

Apply effects to photos or videos.



Timeshift burst

Find the best photo from a burst of images.



Social live

Broadcast live video to Facebook™.



Sweep Panorama

Take wide-angle and panoramic photos.



Sound Photo

Take photos with background sound.



AR fun

Play with virtual objects in your camera viewfinder and enrich your photos or videos.



Portrait retouch

Take photos with real-time portrait styles.

Auto scene recognition

Auto scene recognition mode detects the conditions you are shooting in and automatically adjusts the settings to ensure that you take the best photo possible.

Manual mode

Use Manual mode when you want to manually adjust your camera settings for photos and videos.

AR effect

You can apply AR (augmented reality) effects to your photos or videos and make them more fun. When using the camera, this setting lets you integrate 3D scenes into your photos or videos. Just select the scene you want and adjust its position in the viewfinder.

Creative effect

You can apply different effects on your photos or videos. Add a Nostalgic effect to make photos look older, or a Sketch effect for a more fun image.

Sweep Panorama

You can take wide-angle and panoramic photos from the horizontal or vertical direction in an easy press-and-sweep motion.

To take a panoramic photo

- 1 Activate the camera.
- 2 Tap , then select .
- 3 To select a shooting direction, tap .
- 4 Tap the screen and move the camera slowly and steadily to the direction of movement indicated on the screen.

Timeshift burst

The camera takes a burst of 31 photos in a window of two seconds—one second before and after you tap the on-screen camera button. So you can go back and find the perfect image.

To use Timeshift burst

- 1 Activate the camera.
- 2 Tap , then select .
- 3 Take photos. The photos taken appear in thumbnail view.
- 4 Scroll through the thumbnails and select the photo that you want to save, then tap .

Social live

Social live is a camera shooting mode that lets you stream video live to your Facebook™ page. You just need to have an active internet connection and be logged into Facebook™. Videos can be up to 10 minutes long.

To broadcast live video using Social live

- 1 Activate the camera.
- 2 Tap , then select .
- 3 Log in to your Facebook™ account.
- 4 Tap  to start broadcasting.
- 5 To take a photo during the broadcast, tap .
- 6 To stop broadcasting, tap .

Face in

You can use the Face in mode to turn on the front and main cameras at the same time, so you can take a photo of yourself together with the subject.

Multi-Camera Mode

Multi-Camera mode lets you take a photo that combines images from two different angles and devices. You see two images in your device's camera viewfinder—one from your own camera and one from a connected Xperia™ device or a Sony camera that supports NFC and Wi-Fi direct technology. You can then edit what you see in the viewfinder before taking a photo.

So if you're at a concert venue, for example, and you want to capture a photo that combines a view of the band from one angle and the audience from another, you can use Multi-Camera mode for the best effect.

You can set up Multi-Camera mode using NFC, which launches the pairing of the two devices using Wi-Fi direct technology. Both devices must support NFC.

! Multi-Camera mode is not available in all markets.

To use Multi camera mode

- 1 Turn on the NFC functions on both devices that you want to connect.
- 2 Activate the camera on your device.
- 3 Tap , then select .
- 4 On the screens of both devices, tap .
- 5 Touch the NFC detection areas of each device to each other. Both devices should now connect using Wi-Fi direct technology.
- 6 Once the devices are connected, two images appear in the viewfinder of your device – one from the viewfinder of your camera and another from the viewfinder of the connected device.
- 7 To edit the images in your viewfinder, tap .
- 8 Edit the images as desired. For example, you can tap and hold an image and drag it to the other side of the viewfinder to change the order.
- 9 When you are finished editing and are ready to capture the final combined image, tap **Done** > .

Portrait retouch

Use this feature to apply touch-up effects to portrait photos as you take them to ensure the best results.

To use the Portrait retouch feature

- 1 Activate the camera.
- 2 Tap , then tap .
- 3 To display the style selector, swipe upward on the screen, then select a portrait style for your photos.
- 4 To hide the style selector, tap the screen or swipe downward.
- 5 To display the frame selector, swipe to the left, then select a decorative frame.
- 6 To hide the frame selector, tap the camera screen or swipe to the right.

Downloading camera applications

You can download free or paid camera applications from Google Play™ or other sources. Before you start downloading, make sure that you have a working Internet connection, preferably over Wi-Fi® to limit data traffic charges.

To download camera applications

- 1 Open the camera application.
- 2 Tap , then tap **DOWNLOADABLE**.
- 3 Select the application that you want to download, and follow the instructions to complete the installation.

Quick launch

Use Quick launch settings to launch the camera when the screen is locked.

Launch only

After you drag  upward, the main camera is launched from sleep mode.

Launch and capture

After you drag  upward, the still camera is launched from sleep mode and a photo is captured.

Launch and record video

After you drag  upward, the video camera is launched from sleep mode and starts recording.

Off

Geotagging

Tag photos with details of where you took them.

Touch capture

Identify a focus area, and then touch the camera screen with your finger. The photo is taken as soon as you release your finger.

Sound

Choose to turn on or turn off the shutter sound.

Data storage

You can choose to save your data either to a removable SD card or to your device's internal storage.

Internal storage

Photos or videos are saved on the device memory.

SD card

Photos or videos are saved on the SD card.

White balance

This function adjusts the color balance according to the lighting conditions. The white balance setting icon  is available on the camera screen.

Auto

Adjusts the color balance automatically to suit the lighting conditions.

Incandescent

Adjusts the color balance for warm lighting conditions, such as under light bulbs.

Fluorescent

Adjusts the color balance for fluorescent lighting.

Daylight

Adjusts the color balance for sunny outdoor conditions.



Cloudy

Adjusts the color balance for a cloudy sky.

! This setting is only available in **Manual** capturing mode.

Still camera settings

To adjust the still camera settings

- 1 Activate the camera.
- 2 To display all settings, tap .
- 3 Select the setting you want to adjust, then edit as desired.

Still camera settings overview

Resolution

Choose between several resolutions and aspect ratios before taking a photo. A photo with a higher resolution requires more memory.

5MP

2560×1920(4:3)

5-megapixel resolution with 4:3 aspect ratio. Suitable for photos you want to view on non-widescreen displays or print in high resolution.

3MP

2560×1440(16:9)

3-megapixel resolution with 16:9 aspect ratio. Suitable for photos you want to view on widescreen displays.

2MP

1920×1088(16:9)

2-megapixel resolution with 16:9 aspect ratio. Suitable for photos you want to view on widescreen displays.

2MP

1600×1200(4:3)

2-megapixel resolution with 4:3 aspect ratio. Suitable for photos you want to view on non-widescreen displays or print in high resolution.

VGA

640×480(4:3)

VGA format with 4:3 aspect ratio.

! This setting is only available in **Manual** capturing mode.

Self timer

With the self-timer you can take a photo without holding the device. Use this function to take self-portraits, or group photos where everyone can be in the photo. You can also use the self-timer to avoid shaking the camera when taking photos.

On (10 sec.)

Set a 10-second delay from when you tap the camera screen until the photo is taken.

On (2 sec.)

Set a 2-second delay from when you tap the camera screen until the photo is taken.

Off

The photo is taken as soon as you tap the camera screen.

Smile Shutter™

Use the Smile Shutter™ function to determine what kind of smile the camera reacts to before taking a photo.

Focus mode

The focus function controls which part of a photo should be sharp. When continuous autofocus is on, the camera keeps adjusting focus so the area within the colored focus frame stays sharp.

Single autofocus

The camera automatically focuses on the selected subject. Continuous autofocus is on. Touch and hold the camera screen until the yellow focus frame turns blue, indicating that the focus is set. The photo is taken when you release your finger.

Face detection

The camera automatically detects up to five human faces, indicated by frames on the screen. The camera automatically focuses on the nearest face. You can also select which face to focus on by tapping it on the screen. When you tap the camera screen, a blue frame shows which face is selected and in focus. Face detection cannot be used for all scene types. Continuous autofocus is on.

Touch focus

Touch a specific area on the camera screen to set the area of focus. Continuous autofocus is off. Touch and hold the camera screen until the yellow focus frame turns blue, indicating that the focus is set. The photo is taken when you release your finger.

Object tracking

When you select an object by touching it in the viewfinder, the camera tracks it for you.

- ! This setting is only available in **Manual** capturing mode.

HDR

Use the HDR (High Dynamic Range) setting to take a photo against strong backlight or in conditions where the contrast is sharp. HDR compensates for the loss of detail and produces a picture that is representative of both dark and bright areas.

- ! This setting is only available in **Manual** capturing mode.

ISO

You can reduce image blurring caused by dark conditions or moving subjects by increasing the ISO sensitivity.

Auto

Sets the ISO sensitivity automatically.

100

Sets the ISO sensitivity to 100.

200

Sets the ISO sensitivity to 200.

400

Sets the ISO sensitivity to 400.

800

Sets the ISO sensitivity to 800.

1600

Sets the ISO sensitivity to 1600.

- ! This setting is only available in **Manual** capturing mode.

Metering

This function automatically determines a well-balanced exposure by measuring the amount of light striking the image you want to capture.

Center

Adjusts the exposure to the center of the image.

Average

Calculates the exposure based on the amount of light striking the whole image.

Spot

Adjusts the exposure in a very small part of the image that you want to capture.

- ! This setting is only available in **Manual** capturing mode.

Image stabilizer

When taking a photo, it can be difficult to hold the device steady. The stabilizer helps you by compensating for small movements of the hand.

- ! This setting is only available in **Manual** capturing mode.

Preview

You can choose to preview photos or videos just after you shoot them.

Unlimited

The preview of the photo or video appears after you shoot it.

5 seconds

The preview of the photo or video appears for 5 seconds after you shoot it.

3 seconds

The preview of the photo or video appears for 3 seconds after you shoot it.

Edit

The photo or video opens for editing after you shoot it.

Off

The photo or video is saved after you shoot it, and no preview appears.

Face registration

You can register faces with the Camera application so that the viewfinder automatically focuses on these faces when they appear in the viewfinder.

Flash

Use the flash to take photos when lighting conditions are poor or when there is a backlight. The following options are available when you tap the flash icon  in the camera screen:

Auto

The camera automatically determines if the lighting conditions require the use of a flash.



Fill flash

Use this setting when the background is brighter than the subject. This removes unwanted dark shadows.



Red-eye reduction

Reduces the red color of eyes when taking a photo.



Off

The flash is turned off. Sometimes photo quality can be better without the flash, even if lighting conditions are poor. Taking a good photo without using the flash requires a steady hand. Use the self-timer to avoid blurred photos.



Flashlight

A torch or camera light is turned on when you take photos.



Scene selection

Use the Scene selection feature to quickly set up the camera for common situations using pre-programmed scenes. The camera determines a number of settings for you to fit the selected scene, ensuring the best possible photo.

SCN Off

The Scene selection feature is off and you can take photos manually.

-  **Soft skin**
Take photos of faces using an enhanced beauty effect.
-  **Soft snap**
Use for shooting photos against a soft background.
-  **Anti motion blur**
Use for minimizing camera shake when shooting a slightly dark scene.
-  **Landscape**
Use for landscape photos. The camera focuses on distant objects.
-  **Backlight correction HDR**
Use to improve details in high contrast shots. The built-in backlight correction analyzes the image and automatically adjusts it to give you a perfectly lit shot.
-  **Night portrait**
Use for portrait photos taken at night or in poorly lit environments. Due to the long exposure time, the camera must be held still or placed on a stable surface.
-  **Night scene**
Use when taking photos at night or in poorly lit environments. Due to the long exposure time, the camera must be held still or placed on a stable surface.
-  **Hand-held twilight**
Use for taking hand-held low-light photos with reduced noise and blur.
-  **High sensitivity**
Use for taking photos without a flash under low light conditions. Reduces blur.
-  **Gourmet**
Use for shooting food arrangements in bright color.
-  **Pet**
Use for taking photos of your pet. Reduces blur and red eyes.
-  **Beach**
Use for taking photos of seaside or lakeside scenes.
-  **Snow**
Use in bright environments to avoid overexposed photos.
-  **Party**
Use for indoor photos in poorly lit environments. This scene picks up indoor background lighting or candlelight. Due to the long exposure time, the camera must be held still or placed on a stable surface.
-  **Sports**
Use for taking photos of fast-moving objects. Short exposure time minimizes motion blurring.
-  **Document**
Use for photos of text or drawings. Gives the photo increased, sharper contrast.
-  **Fireworks**
Use for taking photos of fireworks in all their glory.

! This setting is only available in **Manual** capturing mode.

Video camera settings

To adjust the video camera settings

- 1 Activate the camera.
- 2 Tap one of the settings icons on the screen.
- 3 To display all settings, tap .
- 4 Select the setting that you want to adjust, then make your changes.

Video camera settings overview

Video resolution

Adjust the video resolution for different formats.

Full HD

1920×1088(16:9)

Full HD (Full High Definition) format with 16:9 aspect ratio.

HD**1280×720(16:9)**

HD (High Definition) format with 16:9 aspect ratio.

VGA**640×480(4:3)**

VGA format with 4:3 aspect ratio.

MMS

Record videos suitable for sending in multimedia messages. The recording time of this video format is limited so that video files can fit in a multimedia message.

- ! These settings are only available in **Manual** capturing mode.

Self timer

With the self-timer you can record a video without holding the device. Use it to record group videos where everyone can be in the video. You can also use the self-timer to avoid shaking the camera when recording videos.

On (10 sec.)

Set a 10-second delay from when you tap the camera screen until the video begins to record.

On (2 sec.)

Set a 2-second delay from when you tap the camera screen until the video begins to record.

Off

The video begins to record as soon as you tap the camera screen.

Smile Shutter™(video)

Use the Smile Shutter™ function to determine what kind of smile the camera reacts to before recording a video.

Focus mode

The focus setting controls which part of a video should be sharp. When continuous autofocus is on, the camera keeps adjusting focus so that the area within the white focus frame stays sharp.

Single autofocus

The camera automatically focuses on the selected subject. Continuous autofocus is on.

Face detection

The camera automatically detects up to five human faces, indicated by frames on the screen. The camera automatically focuses on the nearest face. You can also select which face to focus on by tapping it on the screen. When you tap the camera screen, a yellow frame shows which face is selected and in focus. Face detection cannot be used for all scene types. Continuous autofocus is on.

Object tracking

When you select an object by touching it in the viewfinder, the camera tracks it for you.

- ! This setting is only available in **Manual** capturing mode.

Metering

This function automatically determines a well-balanced exposure by measuring the amount of light striking the image you want to capture.

Center

Adjusts the exposure to the center of the image.

Average

Calculates the exposure based on the amount of light striking the whole image.

Spot

Adjusts the exposure in a very small part of the image that you want to capture.

- ! This setting is only available in **Manual** capturing mode.

Video stabilizer

When recording a video, it can be difficult to hold the device steady. The stabilizer helps you by compensating for small movements of the hand.

Microphone

Select whether to pick up the surrounding sound when recording videos.

Preview

You can choose to preview videos just after you shoot them.

On

The preview of the video appears after you shoot it.

Edit

The video opens for editing after you shoot it.

Off

The video is saved after you shoot it, and no preview appears.

Flash

Use the flash light to record videos when lighting conditions are poor or when there is a backlight. The video flash icon  is only available on the video camera screen. Note that the video quality can sometimes be better without a light even if lighting conditions are poor.



On



Off

Scene selection

The Scene selection feature helps you quickly set up the camera for common situations using pre-programmed video scenes. The camera determines a number of settings for you to fit the selected scene, ensuring the best possible video.

SCN Off

The Scene selection feature is off and you can shoot videos manually.



Soft snap

Use for shooting videos against soft backgrounds.



Landscape

Use for videos of landscapes. The camera focuses on distant objects.



Night

When turned on, light sensitivity is increased. Use in poorly lit environments. Videos of fast moving objects may get blurred. Hold your hand steady, or use a support. Turn off night mode when lighting conditions are good to improve the video quality.



Beach

Use for videos of seaside or lakeside scenes.



Snow

Use in bright environments to avoid overexposed videos.



Sports

Use for videoing fast-moving objects. Short exposure time minimizes motion blurring.



Party

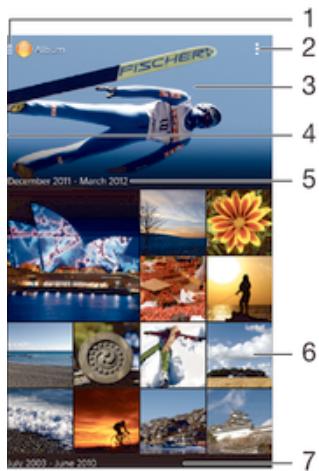
Use for indoor videos in poorly lit environments. This scene picks up indoor background lighting or candlelight. Videos of fast moving objects may get blurred. Hold your hand steady, or use a support.

! This setting is only available in **Manual** capturing mode.

Photos and videos in Album

Viewing photos and videos

Use the Album application to view photos and play videos that you've taken with your camera, or to view similar content that you've saved to your device. All photos and videos are displayed in a chronologically ordered grid.



- 1 Tap the icon to open the Album home screen menu
- 2 View menu options
- 3 A slideshow of all your images, or the ones you added to favorites
- 4 Drag the left edge of the screen to the right to open the Album home screen menu
- 5 The date of items in the group
- 6 Tap a photo or video to view it
- 7 Scroll up or down to view content

To view photos and videos

- 1 From your Homescreen, tap .
- 2 Find and tap **Album**.
- 3 Tap a photo or video that you want to view, then tap **Album > Just once**.
- 4 Flick left to view the next photo or video. Flick right to view the previous photo or video.

! If you want to change an application you have chosen as the default to always open photos or videos, tap **Settings > Apps** and swipe over to the **All** tab, then select the application and tap **Clear defaults** under **Launch by default**.

💡 If the screen orientation does not change automatically when you turn your device sideways, mark the **Auto-rotate screen** checkbox under **Settings > Display > Screen rotation**.

To change the size of the thumbnails

- When viewing thumbnails of photos and videos in Album, spread two fingers apart to zoom in, or pinch two fingers together to zoom out.

To zoom a photo

- When you are viewing a photo, spread two fingers apart to zoom in, or pinch two fingers together to zoom out.

To watch a slideshow of your photos

- 1 When you are viewing a photo, tap the screen to display the toolbars, then tap > **Slideshow** to start playing all the photos in an album.
- 2 Tap a photo to end the slideshow.

To play a video

- 1 In Album, find and tap the video that you want to play.
- 2 Tap , then tap **Movies > Just once**.
- 3 If the playback controls are not displayed, tap the screen to display them. To hide the controls, tap the screen again.

To pause a video

- 1 When a video is playing, tap the screen to display the controls.
- 2 Tap .

To fast forward and rewind a video

- 1 When a video is playing, tap the screen to display the controls.
- 2 Drag the progress bar marker left to rewind, or right to fast forward.

To adjust the volume of a video

- Press the volume key.

Sharing and managing photos and videos

You can share photos and videos that you've stored on your device. You can also manage them in different ways. For example, you can work with photos in batches, delete photos and link them to contacts.

! You might not be able to copy, send, or transfer copyright-protected items. Also, some items may not send if the file size is too large.

To share a photo or video

- 1 In Album, find and tap the photo or video that you want to share.
- 2 Tap the screen to display the toolbars, then tap .
- 3 Tap the application that you want to use to share the photo, then follow the steps to send it.

To use a photo as a contact picture

- 1 When you are viewing a photo, tap the screen to display the toolbars, then tap > **Use as > Contact picture**.
- 2 If asked, select **Contacts > Just once**, then select a contact.

To use a photo as wallpaper

- 1 When you are viewing a photo, tap the screen to display the toolbars, then tap > **Use as > Wallpaper**.
- 2 Follow the instructions on the screen.

To rotate a photo

- 1 When you are viewing a photo, tap the screen to display the toolbars, then tap .
- 2 Select **Rotate**. The photo is saved in the new orientation.

To delete a photo or video

- 1 When you are viewing a photo, tap the screen to display the toolbars, then tap .
- 2 Tap **Delete**.

To work with batches of photos or videos in Album

- 1 When viewing thumbnails of photos and videos in Album, tap , then tap **Select items**.
- 2 Tap the items that you want to work with. Selected items are indicated by a blue frame.
- 3 Use the tools in the toolbars to work with your selected items.

 To activate selection mode, you can also touch and hold an item until its frame turns blue. Then you can tap other items to select them.

Analyzing photos with faces in Album

You can analyze any photos on your device that feature people's faces. Once activated, the photo analysis feature stays on, and new photos get analyzed as they are added. After running an analysis, you can then group all photos of the same person in one folder.

To turn on the photo analysis feature

- 1 From your Homescreen, tap .
- 2 Find and tap **Album**.
- 3 Drag the left edge of the Album home screen to the right, then tap **Faces**. All photos on your device get analyzed and grouped in the Unnamed faces folder.

To name a face

- 1 In the **Faces** tile, tap the **Unnamed faces** folder, then browse to the **Other faces** folder and choose the face that you want to name.
- 2 Tap **Add name**.
- 3 Type a name, then tap **Done > Add as new person**.

To edit a face name

- 1 When you are viewing a face in full-screen view, tap the screen to display the toolbars, then tap  > **Edit name tags**.
- 2 Tap **OK**.
- 3 Tap the name of the face that you want to edit.
- 4 Edit the name, then tap **Done >Add as new person**.

Editing photos with the Photo editor application

You can edit and apply effects to original photos that you've taken with your camera. For example, you can change the light effects. After you save the edited photo, the original unchanged version of the photo remains on your device.

To edit a photo

- When you are viewing a photo, tap the screen to display the toolbars, then tap .

To crop a photo

- 1 When you are viewing a photo, tap the screen to display the toolbars, then tap .
- 2 If prompted, select **Photo editor > Just once**.
- 3 Tap  > **Crop**.
- 4 Select an option.
- 5 To adjust the crop frame, touch and hold the edge of the crop frame. When the squares at the edges disappear, drag inward or outward to resize the frame.
- 6 To resize all sides of the crop frame at the same time, touch and hold one of the four corners to make the squares at the edges disappear, then drag the corner accordingly.
- 7 To move the crop frame to another area of the photo, touch and hold inside the frame, then drag it to the desired position.
- 8 Tap **Apply**.
- 9 To save a copy of the photo as you cropped it, tap **Save**.

To apply special effects to a photo

- 1 When you are viewing a photo, tap the screen to display the toolbars, then tap .
- 2 If prompted, select **Photo editor** > **Just once**.
- 3 Tap , then select an option.
- 4 Edit the photo as desired, then tap **Save**.

Editing videos with the Movie Creator application

You can edit videos that you've taken with your camera. For example, you can trim a video to the desired length or adjust the speed of a video. After you save the edited video, the original unchanged version of the video remains on your device.

To trim a video

- 1 While the video is playing, tap the screen to display the toolbars, then tap  > **Trim**.
- 2 To move the trim frame to another part of the timeline, touch and hold the edge of the trim frame and drag it to the desired position, then tap **Apply**.
- 3 To save a copy of the trimmed video, tap **Save**.

To adjust the speed of a video

- 1 While the video is playing, tap the screen to display the toolbars, then tap  > **Speed**.
- 2 Select an option, then touch and hold the edge of the timeline and drag it to the desired position and tap **Apply**.
- 3 To save a copy of the edited video, tap **Save**.

Hiding photos and videos

You can hide any photos and videos from the Album homescreen. Once photos and videos are hidden from the Album homescreen, they can only be viewed from the Hidden folder.

To hide a photo or video

- 1 In Album, find and tap the photo or video that you want to hide.
- 2 Tap the screen to display the toolbars, then tap .
- 3 Tap **Hide** > **OK**.

To view your hidden photos and videos

- 1 In Album, drag the left edge of the Album homescreen to the right, then tap **Hidden**.
- 2 Tap a photo or video to view it.
- 3 Flick left to view the next photo or video. Flick right to view the previous photo or video.

To unhide a photo or video

- 1 In Album, drag the left edge of the Album homescreen to the right, then tap **Hidden**.
- 2 Tap a photo or video that you want to unhide.
- 3 Tap the screen to display the toolbars, then tap .
- 4 Tap **Don't hide**.

Album homescreen menu

Through the Album homescreen menu you can browse to all your photo albums, including albums of photos and videos taken with the camera as well as content that you share online via services such as PlayMemories Online, Picasa™, and Facebook. Once you are logged in to such services, you can manage content, comment on photos and videos, and view comments from friends. From the Album application, you can also add

geotags to photos, perform basic editing tasks, and use methods such as Bluetooth® wireless technology and email to share content.



- 1 View photos and videos using the PlayMemories Online service
- 2 Return to the Album application homescreen
- 3 View all photos and videos taken with your device's camera
- 4 View all photos and videos saved to your device in different folders
- 5 View your favorite photos and videos
- 6 View all photos with faces
- 7 View your photos on a map or in globe mode
- 8 View photos and videos on the same network
- 9 View photos and videos on Facebook™
- 10 View photos and videos on Picasa™
- 11 Scroll up or down to view content

! The PlayMemories Online service is not available in all countries or regions.

To view photos from online services in Album

- 1 From your Homescreen, tap .
- 2 Find and tap **Album**, then drag the left edge of the Album homescreen to the right.
- 3 Tap the desired online service, then follow the on-screen instructions to get started. All available online albums that you have uploaded to the service are displayed.
- 4 Tap any album to view its content, then tap a photo in the album.
- 5 Flick left to view the next photo or video. Flick right to view the previous photo or video.

Viewing your photos on a map

Adding location information to photos is referred to as geotagging. You can view and tag your photos on a map and show friends and family where you were when you took a particular photo. See *Adding the geographical position to your photos* on page 77 for more information.

💡 If you have turned on location detection and activated geotagging in the camera, you can tag your photos directly for map viewing at a later stage.



1 View geotagged photos in Globe view

2 Search a location on the map

3 View menu options

4 Double tap to zoom in. Pinch to zoom out. Drag to view different parts of the map

5 A group of photos and/or videos geotagged with the same location

6 Thumbnails of the selected group of photos and/or videos. Tap an item to view it in full screen

- 💡 If several photos were taken at the same location, only one of them appears on the map. The total number of photos appears in the top right corner, for example, . To view all photos in the group, tap the cover photo and then tap one of the thumbnails at the bottom of the screen.

To add a geotag to a photo

- 1 When you are viewing a photo, tap the screen to display the toolbars, then tap **Tap to set location** to open the map screen.
- 2 Find and tap the desired location to put the photo on the map.
- 3 To adjust the location of the photo, tap the location on the map where you want to move the photo to.
- 4 When you are done, tap **OK** to save the geotag and return to the photo viewer.

To view geotagged photos on a map

- 1 From your Homescreen, tap .
- 2 Find and tap **Album**.
- 3 Drag the left edge of the Album home screen to the right, then tap **Places**.
- 4 Tap the photo that you want to view on a map.

To view geotagged photos on a globe

- 1 From your Homescreen, tap .
- 2 Find and tap **Album**.
- 3 Drag the left edge of the Album homescreen to the right, then tap **Places** > .
- 4 Tap the photo that you want to view on a globe.

To change the geotag of a photo

- 1 When viewing a photo on the map in Album, touch and hold the photo until its frame turns blue, then tap the desired location on the map.
- 2 Tap **OK**.

To change the map view

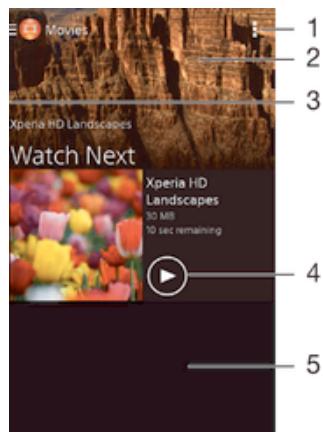
- When viewing the map in Album, tap , then select **Classic view** or **Satellite view**.

Videos

Watching videos in the Movies application

Use the Movies application to play movies and other video content that you've saved or downloaded to your device. The Movies application also helps you get poster art, plot summaries, genre info, and director details for each movie. You can also play your movies on other devices that are connected to the same network.

- ! Some video files may not be playable in the Movies application.



- 1 View menu options
- 2 Display the most recently played video
- 3 Drag the left edge of the screen to the right to browse all downloaded and saved videos
- 4 Tap to play saved or downloaded video files
- 5 Scroll up or down to view content

To play a video in Movies

- 1 From your Homescreen, tap , then find and tap **Movies**.
- 2 Find and tap the video that you want to play. If the video is not displayed on the screen, drag the left edge of the screen to the right to open the Movies homescreen menu, then find and tap the video that you want to play.
- 3 To display or hide the controls, tap the screen.
- 4 To pause playing, tap . To resume playing, tap .
- 5 To rewind, drag the progress bar marker to the left. To fast forward, drag the progress bar marker to the right.

To play a video on an external device

- 1 When the video is playing, tap the screen to display all the controls.
- 2 Tap  > **Throw**.
- 3 Select an external device on which to play the video. If there is no external device available, follow the on-screen instructions to add one.

To change settings in Movies

- 1 From your Homescreen, tap , then find and tap **Movies**.
- 2 Tap  > **Settings**, then change the settings as desired.

To change the sound settings while a video is playing

- 1 While a video is playing, tap the screen to display the controls.
- 2 Tap , then tap **Sound settings**.
- 3 Mark the checkboxes for the sound settings that you want to activate.
- 4 When you're finished, tap **OK**.

To share a video

- 1 When a video saved under Movies or TV shows is playing, tap , then tap **Share**.
- 2 Tap the application that you want to use to share the selected video, then follow the relevant steps to send it.

Transferring video content to your device

Before you start using the Movies application, it's a good idea to transfer movies, TV shows, and other video content to your device from other devices, such as a computer. There are several ways to transfer your content:

- Connect your device to a computer using a USB cable and drag and drop the video files directly using the file manager application on the computer. See *Managing files using a computer* on the 116 page.
- If you have a PC, use the Media Go™ application from Sony to organize content and transfer video files to your device via the PC. To learn more and download the Media Go™ application, go to <http://mediago.sony.com/enu/features>.
- If your computer is an Apple® Mac®, you can use Sony Bridge for Mac to transfer video files from iTunes to your device. To learn more and download Sony Bridge for Mac, go to www.sonymobile.com/global-en/tools/bridge-for-mac/.

Managing video content

To get movie information manually

- 1 Make sure your device has an active data connection.
- 2 From your Homescreen, tap , then find and tap **Movies**.
- 3 Drag the left edge of the screen to the right to open the Movies homescreen menu, then browse through the different categories to the video file that you want to get information on.
- 4 Touch and hold the thumbnail for the video, then tap **Search for info**.
- 5 In the search field, enter keywords for the video, then tap the confirm key on the keyboard. All matches are displayed in a list.
- 6 Select a search result, then tap **Done**. The download of the information begins.

 You can get information about newly added videos automatically every time the Movies application opens if you mark the **Get video details** checkbox under Settings.

 If the downloaded information is not correct, search again using different keywords.

To clear information about a video

- 1 From your Homescreen, tap , then find and tap **Movies**.
- 2 Drag the left edge of the screen to the right to open the Movies homescreen menu, then browse through the different categories and to the video file that you want to edit.
- 3 Touch and hold the video thumbnail, then tap **Clear info**.

To delete a video

- 1 From your Home screen, tap , then find and tap **Movies**.
- 2 Drag the left edge of the screen to the right to open the Movies homescreen menu, then browse through the different categories and to the video file that you want to delete.
- 3 Touch and hold the video thumbnail, then tap **Delete** from the list that appears.
- 4 Tap **Delete** again to confirm.

Connectivity

Mirroring the screen of your device wirelessly on a TV

You can use the Screen mirroring feature to show the screen of your device on a TV or other large display without using a cable connection. Wi-Fi Direct™ technology creates a wireless connection between the two devices, so you can sit back and enjoy your favorite photos from the comfort of your couch. You can also use this feature to listen to music from your device via the TV's speakers.

- ! Your TV must support screen mirroring based on Wi-Fi CERTIFIED Miracast™ for the functionality described above to work. If your TV does not support screen mirroring, you may need to purchase a wireless display adapter separately.
- ! When using screen mirroring, the image quality may sometimes be negatively impacted if there is interference from other Wi-Fi® networks.

To mirror the screen of your device on a TV screen

- 1 TV: Follow the instructions in the User guide of your TV to turn on the screen mirroring function.
- 2 Your device: From your Homescreen, tap .
- 3 Find and tap **Settings > Xperia™ Connectivity > Screen mirroring**.
- 4 Tap **Start**.
- 5 Tap **OK** and select a device.

- ! When using screen mirroring, do not cover the Wi-Fi antenna area of your device.
- ! Your TV must support screen mirroring based on Wi-Fi CERTIFIED Miracast™ for the functionality described above to work.

To stop screen mirroring between devices

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Xperia™ Connectivity > Screen mirroring**.
- 3 Tap **Disconnect**, then tap **OK**.

Sharing content with DLNA Certified™ devices

You can view or play media content saved to your device on other devices such as, for example, a TV, or a computer. Such devices must be DLNA Certified™ by the Digital Living Network Alliance and all devices must be connected to the same Wi-Fi® network in order for content to be shared. You can also view or play content from other DLNA Certified™ devices on your device.

After you set up the sharing of content between devices, you can, for example, listen to music files stored on your home computer from your device, or view photos taken with your device's camera on a large-screen TV.

Playing files from DLNA Certified™ devices on your device

When you play files from another DLNA Certified™ device on your device, this other device acts as a server. In other words, it shares content over a network. The server device must have its content sharing function enabled and give access permission to your device. It also must be connected to the same Wi-Fi® network as your device.

To play a shared track on your device

- 1 Make sure the devices that you want to share files with are connected to the same Wi-Fi® network as your device.
- 2 From your Homescreen, tap , then find and tap .
- 3 Drag the left edge of the Walkman® home screen to the right, and tap **Devices**.
- 4 Select a device from the list of connected devices.
- 5 Browse the folders of the connected device and select the track that you want to play. The track starts playing automatically.

To play a shared video on your device

- 1 Make sure the devices that you want to share files with are connected to the same Wi-Fi® network as your device.
- 2 From your Homescreen, tap , then find and tap **Movies**.
- 3 Drag the left edge of the Movies home screen to the right, and tap **Devices**.
- 4 Select a device from the list of connected devices.
- 5 Browse the folders of the connected device and select the video that you want to play.

To view a shared photo on your device

- 1 Make sure the devices that you want to share files with are connected to the same Wi-Fi® network as your device.
- 2 From your Homescreen, tap , then find and tap **Album**.
- 3 Drag the left edge of the Album home screen to the right, and tap **Devices**.
- 4 Select a device from the list of connected devices.
- 5 Browse the folders of the connected device and select a photo to view it.

Playing files from your device on DLNA Certified™ devices

Before you can view or play media files from your device on other DLNA Certified™ devices, you must set up file sharing on your device. The devices that you share content with are called client devices. For example, a TV, computer or tablet can act as client devices. Your device works as a media server when it makes content available to client devices. When you set up file sharing on your device, you must also give access permission to client devices. After you do so, such devices appear as registered devices. Devices that are waiting for access permission are listed as pending devices.

To set up file sharing with other DLNA Certified™ devices

- 1 Connect your device to a Wi-Fi® network.
- 2 From your Homescreen, tap , then find and tap .
- 3 Tap , then tap **Media server**.
- 4 To turn on the **Share media** function, drag the slider.  appears in the status bar. Your device can now work as a media server.
- 5 Connect your computer or other devices to the same Wi-Fi® network as your device.
- 6 A notification appears in the status bar of your device. Open the notification and set access permissions for each device.

! The instructions for setting up file sharing using DLNA™ differ depending on the client device. Refer to your client device User guide for more information. If the device cannot connect to a client on the network, check if your Wi-Fi® network is working.

💡 You can also access the **Media server** menu under **Settings > Xperia™ Connectivity > Media server settings**. If you close the **Media server** view, the file sharing function stays running in the background.

To stop sharing files with other DLNA Certified™ devices

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Xperia™ Connectivity > Media server settings**.
- 3 Drag the slider beside **Share media** to the left.

To set access permissions for a pending device

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Xperia™ Connectivity > Media server settings**.
- 3 Select a device from the **Pending devices** list.
- 4 Select an access permission level.

To change the name of a registered device

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Xperia™ Connectivity > Media server settings**.
- 3 Select a device from the **Registered devices** list, then select **Change name**.
- 4 Enter a new name for the device.

To change the access level of a registered device

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Xperia™ Connectivity > Media server settings**.
- 3 Select a device from the **Registered devices** list.
- 4 Tap **Change access level** and select an option.

To get help about sharing content with other DLNA Certified™ devices

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Xperia™ Connectivity > Media server settings**.
- 3 Tap .

Playing files on a Digital Media Renderer device

Using DLNA™ technology, you can push media content saved on your device to another device connected to the same Wi-Fi® network. The other device must be able to function as a Digital Media Renderer (DMR) device and render or play content received from your device. A TV with DLNA features or a PC running Windows® 7 or higher are examples of DMR devices.

- ! The settings for enabling the Digital Media Renderer may vary depending on the device. Refer to the user guide of the DMR device for more information.
- ! Content secured with Digital Rights Management (DRM) cannot be played on a Digital Media Renderer device using DLNA™ technology.

To view photos or videos from your device on a DMR device

- 1 Make sure that you have correctly set up the DMR device and that it is connected to the same Wi-Fi® network as your device.
- 2 From your Homescreen, tap .
- 3 Find and tap **Album**.
- 4 Browse and open the photos or videos that you want to view.
- 5 Tap the screen to display the toolbar, then tap  and select a DMR device that you want to share your content with. The selected content start playing in chronological order on the device that you select.
- 6 To disconnect from the DMR device, tap  and select **Disconnect**. The file stops playing on the DMR device but continues playing on your device.

 You can also share a video from the Movies application on your device by tapping the video and then tapping .

To play a music track from your device on a DMR device

- 1 Make sure that you have correctly set up the DMR device and that it is connected to the same Wi-Fi® network as your device.
- 2 From your Homescreen, tap  , then find and tap .
- 3 Select a music category and browse to the track that you want to share, then tap the track.
- 4 Tap  and select a DMR device to share your content with. The track plays automatically on the device that you select.
- 5 To disconnect from the DMR device, tap  and select your device. The track stops playing on the DMR device but continues playing on your device.

Bluetooth® wireless technology

Use the Bluetooth® function to send files to other Bluetooth®-compatible devices, or to connect to hands-free accessories. Bluetooth® connections work better within 33 feet (10 meters), with no solid objects in between. In some cases you have to manually pair your device with other Bluetooth® devices.

- ! Interoperability and compatibility among Bluetooth® devices can vary.

To turn on the Bluetooth® function and make your device visible

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings**.
- 3 Tap the on-off switch beside **Bluetooth** so the Bluetooth® function is turned on.
- 4 Tap **Bluetooth**. Your device and a list of available Bluetooth® devices appear.
- 5 Tap your device name to make your device visible to other Bluetooth® devices.

To adjust your device's visibility time to other Bluetooth® devices

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Bluetooth**.
- 3 Press  and select **Visibility timeout**.
- 4 Select an option.

Naming your device

You can give your device a name. This name is shown to other devices after you have turned on the Bluetooth® function and your device is set to visible.

To give your device a name

- 1 Make sure the Bluetooth® function is turned on.
- 2 From your Homescreen, tap .
- 3 Find and tap **Settings > Bluetooth**.
- 4 Tap  and select **Rename phone**.
- 5 Enter a name for your device.
- 6 Tap **Rename**.

Pairing with another Bluetooth® device

When you pair your device with another device, you can, for example, connect your device to a Bluetooth® headset or a Bluetooth® car kit and use these other devices to share music.

Once you pair your device with another Bluetooth® device, your device remembers this pairing. When pairing your device with a Bluetooth® device, you may need to enter a passcode. Your device will automatically try the generic passcode 0000. If this does not work, refer to the user guide for your Bluetooth® device to get the device passcode. You

do not need to re-enter the passcode the next time you connect to a previously paired Bluetooth® device.

- ! Some Bluetooth® devices, for example, most Bluetooth® headsets, require you to both pair and connect with the other device.
- ! You can pair your device with several Bluetooth® devices, but you can only connect to one Bluetooth® profile at the same time.

To pair your device with another Bluetooth® device

- 1 Make sure the device you want to pair with has the Bluetooth® function activated and is visible to other Bluetooth® devices.
- 2 From your device's Homescreen, tap .
- 3 Find and tap **Settings > Bluetooth**.
- 4 Drag the slider beside **Bluetooth** to turn on the Bluetooth® function. A list of available Bluetooth® devices appears.
- 5 Tap the Bluetooth® device you want to pair with.
- 6 Enter a passcode, if required, or confirm the same passcode on both devices.

To connect your device to another Bluetooth® device

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Bluetooth**.
- 3 Tap the Bluetooth® device you want to connect to.

To unpair a Bluetooth® device

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Bluetooth**.
- 3 Under **Paired devices**, tap  beside the name of the device you want to unpair.
- 4 Tap **Unpair**.

Sending and receiving items using Bluetooth® technology

Use Bluetooth® technology to share items with other Bluetooth® compatible devices such as phones or computers. You can send and receive the following kinds of items:

- Photos and videos
- Music and other audio files
- Web pages

To send items using Bluetooth™

- 1 **Receiving device:** Make sure the Bluetooth™ device that you want to send the item to has Bluetooth™ turned on and is visible to other Bluetooth™ devices.
- 2 In the sending device, open the application which contains the item you want to send and scroll to the item.
- 3 Depending on the application and the item you want to send, you may need to, for example, touch and hold the item, open the item, or press . Other ways to send an item may exist.
- 4 Select a share or send menu item.
- 5 In the menu that appears, select **Bluetooth**.
- 6 Turn on Bluetooth™, if you are asked to do so.
- 7 Tap the name of the receiving device.
- 8 **Receiving device:** If asked, accept the connection.
- 9 If asked, enter the same passcode on both devices, or confirm the suggested passcode.
- 10 **Receiving device:** Accept the incoming item. If needed, drag the status bar downward to find the notification.

To receive items using Bluetooth®

- 1 Make sure that the Bluetooth® function is on and is visible to other Bluetooth® devices.
- 2 The sending device now starts sending data to your device.
- 3 If prompted, enter the same passcode on both devices, or confirm the suggested passcode.
- 4 When you are notified of an incoming file to your device, drag the status bar downward and tap the notification to accept the file transfer.
- 5 Tap **Accept** to start the file transfer.
- 6 To view the progress of the transfer, drag the status bar downward.
- 7 To open a received item, drag the status bar downward and tap the relevant notification.

To view files you have received using Bluetooth®

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Bluetooth**.
- 3 Press  and select **Show received files**.

Smart apps and features that save you time

Controlling accessories and settings with Smart Connect

Use the Smart Connect application to set what happens in your device when you connect or disconnect an accessory. For example, you can decide to always start the FM radio application when you connect a headset.

You can also set Smart Connect to read out incoming text messages. Or you can use the application to set a specific action or a group of actions to launch on your device at certain times of the day. For example, when you connect your headset between 7am and 9am, you can decide that:

- The Walkman® application starts.
- The web browser opens the morning paper.
- The ring volume is set to vibrate.

With Smart Connect, you can also manage accessories such as SmartTags and SmartWatch. Refer to the User guide of the specific accessory for more information.



- 1 Tap to display all added devices
- 2 Add a device or an event
- 3 View menu options
- 4 Tap to display all added events
- 5 Tap to activate an event
- 6 Tap to view details of an event

To create a Smart Connect event

- 1 From your Homescreen, tap , then find and tap .
- 2 If you are opening Smart Connect for the first time, tap **OK** to close the introduction screen.
- 3 On the **Events** tab, tap .
- 4 If you are creating an event for the first time, tap **OK** again to close the introduction screen.
- 5 Add conditions you want to trigger the event under. A condition could be the connection with an accessory, or a specific time interval, or both.
- 6 Tap  to continue.
- 7 Add what you want to happen when you connect an accessory, and set other settings as desired.
- 8 Tap  to continue.
- 9 Set an event name, then tap **Finish**.

 To add a Bluetooth® accessory, you have to first pair it with your device.

To edit a Smart Connect event

- 1 Start the Smart Connect application.
- 2 On the **Events** tab, tap an event.
- 3 If the event is switched off, drag the slider to the right to turn it on.
- 4 Tap **Edit**, then adjust the settings as desired.

To delete an event

- 1 Start the Smart Connect application.
- 2 On the **Events** tab, touch and hold the event you want to delete, then tap **Delete event**.
- 3 Tap **Delete** to confirm.

 You can also open the event you want to delete, then tap  > **Delete event** > **Delete**.

To set Smart Connect to read out incoming text messages

- 1 Start the Smart Connect application.
- 2 Tap , then tap **Settings**.
- 3 Mark the checkbox beside **Text to speech**, then confirm activation, if necessary.

 If this feature is turned on, all incoming messages are read aloud. To protect your privacy, you may need to turn off this feature if you are using your device in a public place or at work, for example.

Managing devices

Use the Smart Connect application to manage a range of smart accessories that you can connect to your device, including SmartTags, SmartWatch, and Smart Wireless Headset pro from Sony. Smart Connect downloads any necessary applications and also finds third-party applications, when available. Previously connected devices show in a list that allows you to get more information about the features of each device.

To pair and connect an accessory

- 1 Start the Smart Connect application. If you are opening Smart Connect for the first time, tap **OK** to close the introduction screen.
- 2 Tap **Devices**, then tap .
- 3 Tap **OK** to start searching for devices.
- 4 In the search result list, tap the name of the device that you want to add.

To adjust the settings for a connected accessory

- 1 Pair and connect the accessory with your device.
- 2 Start the Smart Connect application.
- 3 Tap **Devices**, then tap the name of the connected accessory.
- 4 Adjust the desired settings.

Travel and maps

Using location services

Location services allow applications such as Maps and the camera to use information from Wi-Fi® networks as well as Global Positioning System (GPS) information to determine your approximate location. If you're not within a clear line of sight to GPS satellites, your device can determine your location using the Wi-Fi® function.

In order to use your device to find out where you are, you need to enable location services.

To enable location services

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Location**.
- 3 Drag the slider beside **Location** to the right.
- 4 Tap **Agree** to confirm.

To allow Google apps to access your location

- 1 Make sure you are signed in to your Google™ account from your device.
- 2 From your Homescreen, tap .
- 3 Find and tap **Settings > Google > Location**.
- 4 Drag the slider beside **Location** to the right.
- 5 Tap **Agree** to confirm.

Improving GPS accuracy

The first time you use the GPS function in your device, it can take 5 to 10 minutes for your location to be found. To help the search, make sure you have a clear view of the sky. Stand still and don't cover the GPS antenna (the highlighted area in the image). GPS signals can pass through clouds and plastic, but not through most solid objects such as buildings and mountains. If your location isn't found after a few minutes, move to another location.



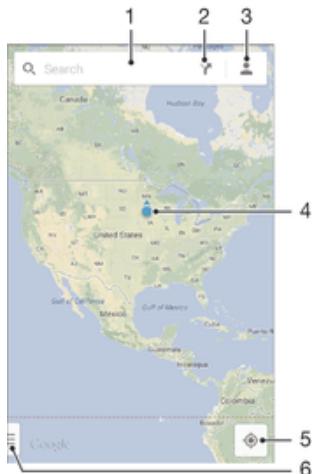
Google Maps™ and navigation

Use Google Maps™ to track your current location, view real-time traffic situations, and receive detailed directions to your destination.

When you view a map, you use data traffic to get an Internet connection, and data is transferred to your device. So it's a good idea to save a map and make it available offline before you take a trip. This way, you can avoid high roaming costs.

! The Google Maps™ application requires the use of an Internet connection when used online. You may incur data connection charges when you connect to the Internet from your device.

Contact your network operator for more information. The Google Maps™ application may not be available in every market, country, or region.



- 1 Enter an address or name to search for a location, for example, a restaurant's name or address.
- 2 Select a transportation mode and get directions to your destination.
- 3 View your account profile.
- 4 Location mark – shows a searched location on the map.
- 5 Show your current location.
- 6 View help and options.

To show your location on the map

- 1 From your Homescreen, tap .
- 2 Find and tap **Maps**, then tap .

To search for a location

- 1 From your Homescreen, tap .
- 2 Find and tap **Maps**.
- 3 In the search field, enter the name of the location you want to find.
- 4 Tap the Enter key on the keyboard to start the search, or select a suggested location from the list. If the search is successful, the location is indicated by  on the map.

To get directions

- 1 While viewing a map, tap .
- 2 Select a transportation mode, then enter your starting point and your destination. The recommended routes appear in a list.
- 3 Tap an option from the list of recommended routes to view the directions on a map.

To make a map available offline

- 1 While viewing a map, tap the search field.
- 2 Scroll to the bottom and tap **Make this map area available offline**. The area shown on the map gets saved to your device.

To learn more about Google Maps™

- When you use Google Maps™, tap , then tap **Help**.

Using data traffic when traveling

When you travel outside of your home cellular network, you might need to access the Internet using cellular data traffic. In this case, you need to activate data roaming on your device. It is recommended to check the relevant data transmission charges in advance.

To activate or deactivate data roaming

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > More... > Mobile networks**.
- 3 Mark or unmark the **Data roaming** checkbox.

 You can't activate data roaming when mobile data is turned off.

Airplane mode

In Airplane mode, the network and radio transceivers are turned off to prevent disturbance to sensitive equipment. However, you can still play games, listen to music, watch videos and other content, as long as all this content is saved on your memory card or internal storage. You can also be notified by alarms, if alarms are activated.

 Turning on Airplane mode reduces battery consumption.

To turn on Airplane mode

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > More....**
- 3 Mark the **Airplane mode** checkbox.

 You can also press and hold down the power key  and then select **Airplane mode** in the menu that opens.

Calendar and alarm clock

Calendar

Use the Calendar application to manage your time schedule. If you have signed into and synchronized your device with one or several online accounts that include calendars, for example, your Google™ account or Xperia™ with Facebook account, then calendar events from these accounts will also appear in the Calendar application. You can select which calendars you want to integrate into the combined Calendar view.

When an appointment time approaches, your device plays a notification sound to remind you. Also,  appears in the status bar.

- You can also synchronize your Outlook calendar with your device using PC Companion. If you do so, all appointments from your Outlook calendar will appear in the calendar view of your device.



- 1 Select a view type and the calendars you want to view
- 2 Add a calendar event
- 3 Return to the current date
- 4 Access settings and other options
- 5 Flick left or right to browse more quickly
- 6 Agenda for the selected day

To create a calendar event

- 1 From your Homescreen, tap , then tap **Calendar**.
- 2 Tap .
- 3 If you have synchronized your calendar with one or more accounts, select the account you want to add this event to. If you only want to add this event on your device, tap **Device calendar**.
- 4 Enter or select the desired information and add attendees to the event.
- 5 To save the event and send out invitations, tap **Done**.

To view a calendar event

- 1 From your Homescreen, tap , then tap **Calendar**.
- 2 Tap the event you want to view.

To view multiple calendars

- 1 From your Homescreen, tap , then find and tap **Calendar**.
- 2 Tap , then mark the checkboxes for the calendars you want to view.

To zoom the calendar view

- When the **Week** or the **Day** view is selected, pinch the screen to zoom in.

To display national holidays in the Calendar application

- From your Homescreen, tap , then tap **Calendar**.
- Tap , then tap **Settings**.
- Tap **National holidays**.
- Select an option, or a combination of options, then tap **OK**.

To display birthdays in the Calendar application

- From your Homescreen, tap , then tap **Calendar**.
- Tap , then tap **Settings**.
- Drag the slider beside **Birthdays** to the right.
- Tap **Birthdays**, then select the contact group you want to display birthdays for.

To display weather forecasts in the Calendar application

- From your Homescreen, tap , then tap **Calendar**.
- Tap , then tap **Settings**.
- Drag the slider beside **Weather forecast** to the right.
- If location services are disabled, tap **Home location**, then search for the city that you want to add.

 For more information about how to enable location services, see *Using location services* on page 104.

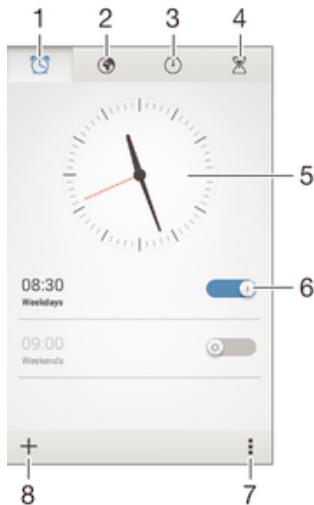
To change weather forecast settings in the Calendar application

- From your Homescreen, tap , then tap **Calendar**.
- Tap , then tap **Settings**.
- Tap **Weather forecast**.
- Adjust the settings as desired.

Alarm and clock

You can set one or several alarms and use any sound saved on your device as the alarm signal. The alarm does not sound if your device is turned off. But it does sound when the device is set to silent mode.

The alarm time format displayed is the same as the format you select for your general time settings, for example, 12-hour or 24-hour.



- Access the alarm homescreen
- View a world clock and adjust settings
- Access the stopwatch function

- 4 Access the timer function
- 5 Open date and time settings for the clock
- 6 Turn an alarm on or off
- 7 View options
- 8 Add a new alarm

To set a new alarm

- 1 From your Home screen, tap .
- 2 Find and tap **Alarm & clock**.
- 3 Tap .
- 4 Tap **Time** and adjust the time by scrolling up and down.
- 5 Tap **Set**.
- 6 If desired, edit other alarm settings.
- 7 Tap **Done**.

To snooze an alarm when it sounds

- Tap **Snooze**.

To turn off an alarm when it sounds

- Drag  to the right.
- To turn off a snoozed alarm, you can drag down the status bar to open the Notification panel and then tap .

To edit an existing alarm

- 1 Open the Alarm & clock application, then tap the alarm you want to edit.
- 2 Make the desired changes.
- 3 Tap **Done**.

To turn an alarm on or off

- Open the Alarm & clock application, then drag the slider next to the alarm to the on or off position.

To delete an alarm

- 1 Open the Alarm & clock application, then touch and hold the alarm that you want to delete.
- 2 Tap **Delete alarm**, then tap **Yes**.

To set the sound for an alarm

- 1 Open the Alarm and clock application, then tap the alarm you want to edit.
- 2 Tap **Alarm sound** and select an option, or tap  to select from your music files.
- 3 Tap **Done** twice.

To set a recurring alarm

- 1 Open the Alarm & clock application, then tap the alarm you want to edit.
- 2 Tap **Repeat**.
- 3 Mark the checkboxes for the desired days, then tap **OK**.
- 4 Tap **Done**.

To activate the vibrate function for an alarm

- 1 Open the Alarm & clock application, then tap the alarm you want to edit.
- 2 Mark the **Vibrate** checkbox.
- 3 Tap **Done**.

To set alarms to sound when the device is in silent mode

- 1 Open the Alarm & clock application, then tap the alarm you want to edit.
- 2 Mark the **Alarm in silent mode** checkbox, then tap **Done**.

Support and maintenance

Support for your device

Use the Support application in your device to search a User guide, read troubleshooting guides, and find information about software updates and other product-related information.

To access the Support application

- 1 From your Homescreen, tap .
- 2 Find and tap , then select the required support item.

! Make sure that you have a working Internet connection, preferably over Wi-Fi®, to limit data traffic charges when using the Support application.

Help in menus and applications

Some applications and settings have help available in the options menu, which is normally indicated by  in the specific applications.

Help us improve our software

You can enable the sending of usage info from your device so that Sony Mobile can receive anonymous bug reports and statistics that help improve our software. None of the information gathered includes personal data.

To allow the sending of usage info

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > About phone > Usage info settings**.
- 3 Mark the **Send usage info** checkbox if it is not already marked.
- 4 Tap **Agree**.

Computer tools

There are a number of tools available to help you connect your device to a computer and manage content such as contacts, movies, music, and photos.

PC Companion for Microsoft® Windows®

PC Companion is a computer application that gives you access to additional features and services which help you to:

- Transfer contacts, music, videos, and pictures to and from your old device.
- Transfer content from your old iPhone™, Blackberry™, Android™ or Sony device using Xperia™ Transfer.
- Update your device software.
- Back up content on your computer.
- Sync calendars between a computer and your device.

To use the PC Companion application, you need an Internet-connected computer running one of the following operating systems:

- Microsoft® Windows® 7
- Microsoft® Windows® 8
- Microsoft® Windows Vista®
- Microsoft® Windows® XP (Service Pack 3 or higher)

You can download PC Companion at
www.sonymobile.com/global-en/tools/pc-companion.

Media Go™ for Microsoft® Windows®

The Media Go™ application for Windows® computers helps you transfer photos, videos, and music between your device and a computer. You can install and access Media Go™ from within the PC Companion application. To read more about how to use the Media Go™ application, go to <http://mediago.sony.com/enu/features>.

To use the Media Go™ application, you need one of these operating systems:

- Microsoft® Windows® 8/8.1
- Microsoft® Windows® 7
- Microsoft® Windows Vista®

Sony Bridge for Mac

Sony Bridge for Mac is a computer application that gives you access to additional features and services which help you to:

- Transfer contacts, music, videos, and pictures to and from your old device.
- Transfer content from your old iPhone™, Blackberry™, Android™ or Sony device using Xperia™ Transfer.
- Update your device software.
- Transfer media files between your device and an Apple® Mac® computer.
- Back up content on an Apple® Mac® computer.

To use the Sony Bridge for Mac application, you must have an Internet-connected Apple® Mac® computer that runs Mac OS version 10.6 or later. You can download Sony Bridge for Mac at www.sonymobile.com/global-en/tools/bridge-for-mac/.

Updating your device

You should update the software on your device to get the latest functionality, enhancements and bug fixes in order to ensure optimal performance. When a software update is available,  appears in the status bar. You can also check for new updates manually.

The easiest way to install a software update is to do it wirelessly from your device. However, some updates are not available for wireless download. You then need to use the PC Companion application on a PC or the Sony Bridge for Mac application on an Apple® Mac® computer to update your device.

For more information about software updates, go to www.sonymobile.com/update.

To check for new software

- 1 From your Home screen, tap .
- 2 Find and tap **Update Center**.

Updating your device wirelessly

Use the Update Center application to update your device wirelessly. It handles both application updates and system updates and can also facilitate the download of new applications developed for your device. The updates that you can download over a mobile network depend on your operator. It is recommended to use a Wi-Fi® network instead of a mobile network to download new software so that you can avoid data traffic costs.

To download and install a system update

- 1 From your Home screen, tap .
- 2 Find and tap **Update Center**.
- 3 Select the desired system update, then tap **Download**.
- 4 When the download is finished, tap **Install** and follow the on-screen instructions to complete the installation.

To download and install an application update

- 1 From your Home screen, tap .
- 2 Find and tap **Update Center**.
- 3 Select the desired application update, then tap **Update**. The update installs automatically after download.

To install a new application

- 1 From your Home screen, tap .
- 2 Find and tap **Update Center**.
- 3 Select the desired application, then tap **Install**. The application installs automatically after download.

To download and install a system update from the Notifications panel

- 1 Drag the status bar downwards to open the Notifications panel.
- 2 Scroll down and select the desired system update, then tap **Download**.
- 3 When the download is finished, tap **Install** and follow the on-screen instructions to complete the installation.

To download and install an application update from the Notifications panel

- 1 Drag the status bar downwards to open the Notifications panel.
- 2 Scroll down and select the desired application update, then tap **Update**. The update installs automatically after download.

To install a new application from the Notifications panel

- 1 Drag the status bar downwards to open the Notifications panel.
- 2 Scroll down and select the desired application, then tap **Install**. The new application installs automatically after download.

Updating your device using a computer

You can download and install software updates on your device using a computer with an Internet connection. You need a USB cable and a PC running the PC Companion application or an Apple® Mac® computer running the Sony Bridge for Mac application.

 If you don't have the PC Companion or the Sony Bridge for Mac application installed on the relevant computer, connect your device to the computer using a USB cable and follow the on-screen installation instructions.

To update your device using a computer

- 1 Be sure to have the PC Companion application installed on your PC or the Sony Bridge for Mac application installed on your Apple® Mac® computer.
- 2 Using a USB cable, connect your device to the computer.
- 3 **Computer:** Launch the PC Companion application or the Sony Bridge for Mac application. After a few moments, the computer detects your device and searches for new software.
- 4 **Computer:** If a new software update is detected, a popup window appears. Follow the on-screen instructions to run the relevant software updates.

Finding a lost device



If you have a Google™ account, the my Xperia web service can help you locate and secure your device if you ever lose it. You can:

- Locate your device on a map.
- Sound an alert, even if the device is in silent mode.
- Remotely lock the device and make the device display your contact information to anyone who finds it.
- As a last resort, remotely clear the internal and external memory of the device.

! The my Xperia service may not be available in all countries/regions.

To activate the my Xperia service

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Security > my Xperia > Activate**.
- 3 Mark the checkbox, then tap **Accept**.
- 4 If prompted, sign in to your Sony Entertainment Network account, or create a new one if you don't have one.
- 5 Enable locations services on your device if this function is not already enabled.

! To verify that the my Xperia service can locate your device, go to myxperia.sonymobile.com and sign in using either the Google™ account or the Sony Entertainment Network account that you have set up on your device.

Finding the identification number of your device

Your device has a unique ID (identification) number. On your device, this number is referred to as the IMEI (International Mobile Equipment Identity). You should keep a copy of this number. You may require it, for example, when you access the Xperia™ Care support service and need to register your device. Also, if your device is stolen, some network providers can use this number to stop the device from accessing the network in your country.

To view your IMEI number



- Remove the cover to view your IMEI number.
- Open the phone dialer on your device and enter ***#06#**.

To view your IMEI number in the device

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > About phone > Status**.
- 3 Scroll to **IMEI** to view the **IMEI** number.

Battery and power management

Your device has an embedded battery. You can keep track of your battery consumption and see which applications are using the most power. You can remove or restrict apps

and activate a number of power saving modes to get more out of your battery. You can also view an estimate of how much battery time is left and adjust your battery settings to improve performance and make your battery last longer.

To manage your battery consumption

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Power management > App power consumption**. An overview appears showing applications that have high data traffic rates or that you have not used for a long time.
- 3 Review the information, then act as required, for example, to uninstall an application or restrict its usage.

To view which applications use the most battery power

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Power management > Battery usage**.

To view the estimated battery time

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Power management**.

Power-saving modes

There are several power-saving modes available for you to use if you want to make your battery last longer:

STAMINA mode	Disables Wi-Fi® and mobile data when the screen is turned off, and restricts hardware performance.  appears in the status bar when this mode takes effect.
Ultra STAMINA mode	Limits your device's functionality for core tasks such as making phone calls and sending SMS messages.  appears in the status bar once this mode is activated.
Low battery mode	Modifies your device's behavior, for example, to adjust screen brightness and the screen timeout setting, when the battery level drops below a certain percentage.  appears in the status bar when this mode takes effect.
Location-based Wi-Fi	Sets your device to only activate the Wi-Fi® function when it comes within range of a saved Wi-Fi® network.
Queue background data	Optimizes outgoing traffic when the screen is off by sending data at pre-defined intervals.

To activate a power saving mode

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Power management**.
- 3 To activate your preferred mode, drag the relevant slider to the right or mark the relevant checkbox and then confirm, if necessary.
- 4 If no slider or checkbox is available, tap the name of the mode that you want to activate, then confirm, if necessary.

STAMINA mode feature overview

STAMINA mode has several features that allow you to optimize your battery performance:

Extended standby	Prevents applications from using data traffic by disabling Wi-Fi® and mobile data when the screen is off. You can exclude some applications and services from being paused when this feature is active.
STAMINA clock	Keeps network connections paused in situations where you frequently press the power key to check the time.
Extended usage	Restricts hardware performance when you are using your device.

To activate STAMINA mode features

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Power management**, then tap **STAMINA mode**.
- 3 Activate STAMINA mode if it is deactivated.
- 4 Mark the checkboxes beside the features that you want to activate, then tap **Activate**, if prompted.

To select which applications to run in STAMINA mode

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Power management**, then tap **STAMINA mode**.
- 3 Activate STAMINA mode if it is deactivated.
- 4 Make sure that the **Extended standby** checkbox is marked, then tap **Apps active in standby > Add applications**.
- 5 Scroll left or right to view all applications and services, then mark the relevant checkboxes for the applications that you want to run.
- 6 When you're finished, tap **Done**.

Memory and storage

Your device has different types of memory and storage options.

- The **internal storage** is about **4.5** GB and is used to store downloaded or transferred content along with personal settings and data. Some examples of data stored to the internal storage are alarm, volume and language settings; email; bookmarks; calendar events; photos; videos and music.
- You can use a removable **memory card** with a storage capacity of up to **32** GB to get more storage space. Media files and some apps (with their data) can be moved to this type of memory to free up internal storage. Some apps, such as the Camera app, can save data directly to a memory card.
- The **dynamic memory (RAM)** is about **1** GB and cannot be used for storage. RAM is used to handle running applications and the operating system.

! You may have to purchase a memory card separately.

💡 Read more about the use of memory in Android devices by downloading the white paper for your device at www.sonymobile.com/support.

Improving memory performance

The memory in your device tends to fill up as a result of normal usage. If the device starts to slow down, or applications suddenly shut down, you should consider the following:

- Always have more than **250** MB of free internal storage and more than **100** MB of free RAM available.
- Close down running applications that you are not using.
- Clear the memory cache for all applications.
- Uninstall downloaded applications that you don't use.
- Move applications to the memory card if the internal storage is full.
- Transfer photos, videos, and music from the internal memory to the memory card.
- If your device can't read content on the memory card, you may need to format the card. Note that all content on the card gets erased when you format it.

To view the memory status

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Storage**.

To view the amount of free and used RAM

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Apps > Running**.

To clear the memory cache for all applications

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Storage**.
- 3 Tap **Cached data > OK**.

! When you clear the memory cache, you don't lose any important information or settings.

To transfer media files to the memory card

- 1 Make sure you have a memory card inserted in your device.
- 2 From your Homescreen, tap .
- 3 Find and tap **Settings > Storage > Transfer data to SD card**.
- 4 Mark the file types you want to transfer to the memory card.
- 5 Tap **Transfer**.

To move apps to the memory card

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Apps**.
- 3 Select the app that you want to move, then tap **Move to SD card**.

! Some apps cannot be moved to the memory card.

To stop applications and services from running

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Apps > Running**.
- 3 Select an application or service, then tap **Stop**.

To format the memory card

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Storage > Erase SD card**.
- 3 To confirm, tap **Erase SD card > Erase everything**

! All content on the memory card gets erased when you format it. Be sure to make backups of all data that you want to save before formatting the memory card. To back up your content, you can copy it to a computer. For more information, see *Managing files using a computer* on the 116 page.

Managing files using a computer

Use a USB cable connection between a Windows® computer and your device to transfer and manage your files. Once the two devices are connected, you can drag and drop content between your device and the computer, or between your device's internal storage and SD card, using the computer's file explorer.

If you have an Apple® Mac® computer, you can use the Sony Bridge for Mac application to access the file system of your device. You can download Sony Bridge for Mac from www.sonymobile.com/global-en/tools/bridge-for-mac/.

💡 If you're transferring music, video, pictures, or other media files to your device, use the Media Go™ application on your Windows® computer. Media Go™ converts media files so you can use them on your device. To learn more and download the Media Go™ application, go to <http://mediago.sony.com/enu/features>.

Transferring files using Media transfer mode via Wi-Fi®

You can transfer files between your device and other MTP compatible devices, such as a computer, using a Wi-Fi® connection. Before connecting, you first need to pair the two devices. If you're transferring music, video, pictures or other media files between your

device and a computer, it's best to use the Media Go™ application on the computer. Media Go™ converts media files so that you can use them on your device.

 In order to use this feature, you need a Wi-Fi® enabled device that supports Media transfer, for example, a computer running Microsoft® Windows Vista® or Windows® 7.

To prepare to use your device wirelessly with a computer

- 1 Make sure Media transfer mode is enabled on your device. It is normally enabled by default.
- 2 Make sure the Wi-Fi® function is turned on.
- 3 From your Homescreen, tap .
- 4 Find and tap **Settings > Xperia™ Connectivity > USB Connectivity**.
- 5 Tap **Pair with PC**, then tap **Next**.
- 6 Follow the on-screen instructions to complete the setup process.

To connect wirelessly to a paired device

- 1 Make sure Media transfer mode is enabled on your device. It is normally enabled by default.
- 2 Make sure the Wi-Fi® function is turned on.
- 3 From your Homescreen, tap .
- 4 Find and tap **Settings > Xperia™ Connectivity > USB Connectivity**.
- 5 Select the paired device that you want to connect to, then tap **Connect**.

To disconnect from a paired device

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Xperia™ Connectivity > USB Connectivity**.
- 3 Select the paired device that you want to disconnect.
- 4 Tap **Disconnect**.

To remove a pairing with another device

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > Xperia™ Connectivity > USB Connectivity**.
- 3 Select the paired device that you want to remove.
- 4 Tap **Unpair**.

Backing up and restoring content

Generally, you should not save photos, videos, and other personal content solely on the internal memory of your device. If something should happen to the hardware, or if your device is lost or stolen, the data stored on its internal memory is gone forever. It is recommended to use the PC Companion or the Sony Bridge for Mac applications to make backups which save your data safely to a computer, that is, an external device. This method is especially recommended if you are updating your device software from one Android version to another, for example, from Android version 4.3 to 4.4.

Once your data is safely backed up to a computer, you can also make a quick backup of basic settings and data to the SD card in your device by using the Backup & Restore application.

 It is very important that you remember the password that you set when you make a data backup. If you forget the password, it may not be possible to restore important data such as contacts and messages.

Backing up data to a computer

Use the PC Companion application or the Sony Bridge for Mac application to back up data from your device to a PC or an Apple® Mac® computer. These backup applications let you back up the following types of data:

- Contacts and call logs
- Text messages

- Bookmarks
- Calendar data
- Settings
- Media files such as music and videos
- Photos and images

To back up your data using a computer

- 1 Make sure that the PC Companion application is installed on the PC or the Sony Bridge for Mac application is installed on the Apple® Mac® computer.
- 2 Connect your device to the computer using a USB cable.
- 3 **Computer:** Open the PC Companion application or the Sony Bridge for Mac application.
- 4 Click **Start** to start the *Backup & Restore* application.
- 5 Tap **Back up**, then follow the on-screen instructions to back up data from your device.

To restore your data using a computer

- 1 Make sure that the PC Companion application is installed on the PC or the Sony Bridge for Mac application is installed on the Apple® Mac® computer.
- 2 Connect your device to the computer using a USB cable.
- 3 **Computer:** Open the PC Companion application or the Sony Bridge for Mac application.
- 4 Click **Start** to start the *Backup & Restore* application.
- 5 Select a backup file from the backup records, then tap **Restore** and follow the on-screen instructions to restore data to your device.

Backing up data with the Backup & Restore application

! Depending on the version of the Backup & Restore application that's installed on your device, you may not be able to back up and restore data between different Android versions, for example, when updating from Android version 4.3 to version 4.4. However, if you are running version 2.0 (or later) of the Backup & Restore application, you can restore your data between such updates. You can check the version of the Backup & Restore application under **Settings** > **Apps** > **All** > **Backup & restore**.

Using the Backup & Restore application, you can back up data manually or turn on the automatic backup function to save data periodically.

The Backup & Restore application is recommended for backing up data before you do a factory data reset. With this application you can back up the following types of data to an SD card in your device:

- Bookmarks
- Call logs
- Contacts
- Conversations
- Calendar data

To set up the automatic backup function

- 1 If you are backing up to an SD card, make sure the SD card is properly inserted in your device.
- 2 From your Homescreen, tap .
- 3 Find and tap **Backup & Restore**.
- 4 To enable the automatic backup function, drag the slider to the right.
- 5 To select a backup frequency, tap , then select the desired backup frequency.
- 6 To select where to save backup files, tap  > .
- 7 To select the types of data to back up, mark the relevant checkboxes.
- 8 To save your settings, tap .

To back up content manually

- 1 If you are backing up to an SD card, make sure the SD card is properly inserted in your device.
- 2 From your Homescreen, tap .
- 3 Find and tap **Backup & Restore**.
- 4 Tap **Manual backup**, then select a backup destination and the data types that you want to back up.
- 5 Tap **Continue**.
- 6 After the data is backed up, tap **Finish**.

To restore backed-up content

- 1 If you are restoring content from an SD card, make sure the SD card is properly inserted in your device.
- 2 From your Homescreen, tap .
- 3 Find and tap **Backup & Restore**.
- 4 Tap **Restore data now**, then select a restore source and the data types that you want to restore.
- 5 Tap **Continue**.
- 6 After the content is restored, tap **Finish**.

! Remember that any changes that you make to your data and settings after you create a backup, including any applications you download, get deleted during a restore procedure.

Running diagnostic tests on your device

The Xperia™ Diagnostics application can test a specific function or run a full diagnostic test to check if your Xperia™ device is working properly.

Xperia™ Diagnostics can:

- Assess potential hardware or software issues on your Xperia™ device.
- Analyze how well applications perform on your device.
- Log the number of dropped calls during the previous 10 days.
- Identify installed software and provide useful details about your device.

 The Xperia™ Diagnostics application is pre-installed on most Android™ devices from Sony. If the Diagnostics option is not available under **Settings > About phone**, you can download a light version from Google Play™.

To run a specific diagnostic test

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > About phone > Diagnostics > Test device**.
- 3 Select a test from the list.
- 4 Follow the instructions and tap **Yes** or **No** to confirm if a feature works.

To run all diagnostic tests

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > About phone > Diagnostics > Test device > Run all**.
- 3 Follow the instructions and tap **Yes** or **No** to confirm if a feature works.

To view test results

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > About phone > Diagnostics > Test results**.
- 3 Tap a date to display results for tests performed on that day.

To view details about your device

- 1 From your Homescreen, tap .
- 2 Find and tap **Settings > About phone > Diagnostics > Device facts**.

Restarting and resetting

You can force your device to restart or shut down in situations where it stops responding or won't restart normally. No settings or personal data get deleted.

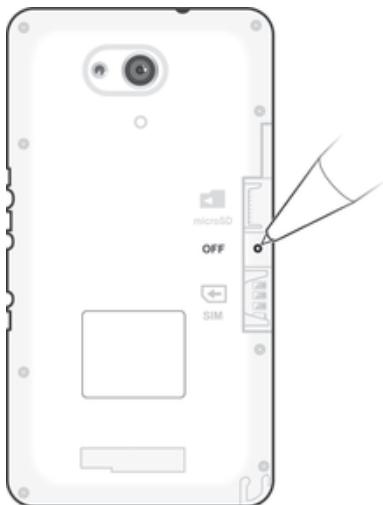
You can also reset your device to its original factory settings, with or without deleting some of your personal data, such as music and pictures. This action is sometimes necessary if your device stops functioning properly, but note that if you want to keep any important data, you have to first back up this data to a memory card or other non-internal memory. For more information, see *Backing up and restoring content* on page 117.

- ! Your device may fail to restart if the battery level is low. Connect your device to a charger and try restarting again.

To force your device to restart

- 1 Press and hold down the power key .
- 2 In the menu that opens, tap **Restart**, then tap **OK** to confirm. The device restarts automatically.

To force the device to shut down



- 1 Remove the back cover.
- 2 Using the tip of a pen or a similar object, press the OFF button.

! Do not use overly sharp objects that could damage the OFF button.

To perform a factory data reset

- ! To avoid permanent damage to your device, do not restart your device while a reset procedure is underway.

- 1 Before you start, be sure to back up any important data that is saved on the internal memory of your device to a memory card or other non-internal memory.
- 2 From your Homescreen, tap .
- 3 Find and tap **Settings > Backup & reset > Factory data reset**.
- 4 To delete information such as music and pictures from your internal storage, mark the relevant checkbox.
- 5 Tap **Reset phone**.
- 6 If required, draw your screen unlock pattern or enter your screen unlock password or PIN to continue.
- 7 To confirm, tap **Erase everything**.

! Your device does not revert to an earlier software version of Android™ even if you perform a factory data reset.

! If you forget your screen unlock password, PIN or pattern in step 6, you can use the device repair feature in PC Companion or Sony Bridge for Mac to erase the security layer. By running

the repair feature, you are reinstalling software for your device and you may lose some personal data in the process.

Recycling your device

Got an old device lying around the house? Why not recycle it? By doing so, you will help us reuse its materials and components, and you'll protect the environment, too! Find out more about the recycling options in your region at www.sonymobile.com/recycle.

Limitations to services and features

Some of the services and features described in this User guide are not supported in all countries/regions or by all networks and/or service providers in all areas. Without limitation, this applies to the GSM International Emergency Number, 112. Please contact your network operator or service provider to determine availability of any specific service or feature and whether additional access or usage fees apply.

Use of certain features and applications described in this guide may require access to the Internet. You may incur data connection charges when you connect to the Internet from your device. Contact your wireless service provider for more information.

Legal information

Sony E2003/E2006/E2053

This User guide is published by Sony Mobile Communications Inc. or its local affiliated company, without any warranty. Improvements and changes to this User guide necessitated by typographical errors, inaccuracies of current information, or improvements to programs and/or equipment, may be made by Sony Mobile Communications Inc. at any time and without notice. Such changes will, however, be incorporated into new editions of this user guide. All illustrations are for illustrative purposes only and may not accurately depict the actual device.

All product and company names mentioned herein are the trademarks or registered trademarks of their respective owners. All other trademarks are property of their respective owners. Any rights not expressly granted herein are reserved. Visit www.sonymobile.com/us/legal/ for more information.

This User guide may reference services or applications provided by third parties. Use of such programming or services may require separate registration with the third party provider and may be subject to additional terms of use. For applications accessed on or through a third-party website, please review such websites' terms of use and applicable privacy policy in advance. Sony does not warrant or guarantee the availability or performance of any third-party websites or offered services.

Your cellular device has the capability to download, store, and forward additional content, for example, ringtones. The use of such content may be restricted or prohibited by rights of third parties, including but not limited to restriction under applicable copyright laws. You, and not Sony, are entirely responsible for additional content that you download to or forward from your mobile device. Prior to your use of any additional content, please verify that your intended use is properly licensed or is otherwise authorized. Sony does not guarantee the accuracy, integrity or quality of any additional content or any other third-party content. Under no circumstances will Sony be liable in any way for your improper use of additional content or other third party content.

Visit www.sonymobile.com for more information.

This product is protected by certain intellectual property rights of Microsoft. Use or distribution of such technology outside of this product is prohibited without a license from Microsoft.

Content owners use Windows Media digital rights management technology (WMDRM) to protect their intellectual property, including copyrights. This device uses WMDRM software to access WMDRM protected content. If the WMDRM software fails to protect the content, content owners may ask Microsoft to revoke the software's ability to use WMDRM to play or copy protected content. Revocation does not affect unprotected content. When you download licenses for protected content, you agree that Microsoft may include a revocation list with the licenses. Content owners may require you to upgrade WMDRM to access their content. If you decline an upgrade, you will not be able to access content that requires the upgrade.

This product is licensed under the MPEG-4 visual and AVC patent portfolio licenses for the personal and non-commercial use of a consumer for (i) encoding video in compliance with the MPEG-4 visual standard ("MPEG-4 video") or the AVC standard ("AVC video") and/or (ii) decoding MPEG-4 or AVC video that was encoded by a consumer engaged in a personal and non-commercial activity and/or was obtained from a video provider licensed by MPEG LA to provide MPEG-4 and/or AVC video. No license is granted or shall be implied for any other use. Additional information including that relating to promotional, internal, and commercial uses and licensing may be obtained from MPEG LA, L.L.C. See www.mpegl4.com. MPEG Layer-3 audio decoding technology licensed from Fraunhofer IIS and Thomson.

SONY MOBILE WILL NOT BE LIABLE FOR ANY LOSS, DELETION, AND/OR DATA-OVERWRITING OF PERSONAL DATA OR FILES STORED ON YOUR PHONE (INCLUDING BUT NOT LIMITED TO CONTACTS, MUSIC TRACKS, AND PICTURES) ARISING OUT OF ANY UPDATE OF YOUR DEVICE BY ANY OF THE METHODS DESCRIBED IN THIS USER GUIDE OR DOCUMENTATION. IN NO EVENT SHALL SONY MOBILE OR ITS SUPPLIERS' TOTAL LIABILITY TO YOU FOR ANY AND ALL DAMAGES, LOSSES AND CAUSES OF ACTION (WHETHER IN CONTRACT OR TORT, INCLUDING, BUT NOT LIMITED TO NEGLIGENCE OR OTHERWISE) EXCEED THE AMOUNT ACTUALLY PAID BY YOU FOR YOUR DEVICE.

© 2015 Sony Mobile Communications Inc.

All rights reserved.